WIS

JANUARY 2024

PROJECT ID: 6997-04-70

WITH: N/A

COUNTY: SHAWANO

ORDER OF SHEETS

TOTAL SHEETS = 130

N

DESIGN DESIGNATION

A.A.D.T.	2024	=	3,700
A.A.D.T.	2044	=	3,800
D.H.V.		=	515
D.D.		=	59/41
T.		=	5.0%
DESIGN SPEED		=	30 MPH
ESALS		=	280,000

T-27-N

CONVENTIONAL SYMBOLS

PLAN

- CORPORATE LIMITS
- PROPERTY LINE
- LOT LINE
- LIMITED HIGHWAY EASEMENT
- EXISTING RIGHT OF WAY
- PROPOSED OR NEW R/W LINE
- SLOPE INTERCEPT
- REFERENCE LINE (300'EB')
- EXISTING CULVERT
- PROPOSED CULVERT (Box or Pipe)
- COMBUSTIBLE FLUIDS (CAUTION)
- MARSH AREA
- WOODED OR SHRUB AREA

PROFILE

- GRADE LINE
- ORIGINAL GROUND
- MARSH OR ROCK PROFILE (To be noted as such) (ROCK)
- SPECIAL DITCH (LABEL)
- GRADE ELEVATION (95.36)
- CULVERT (Profile View)

UTILITIES

- ELECTRIC (E)
- FIBER OPTIC (FO)
- GAS (G)
- SANITARY SEWER (SAN)
- STORM SEWER (SS)
- TELEPHONE (T)
- WATER (W)
- UTILITY PEDESTAL
- POWER POLE
- TELEPHONE POLE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

C SHAWANO, E FIFTH STREET

N MAIN STREET TO N HAMLIN STREET

LOCAL STREET
SHAWANO COUNTY

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
6997-04-70	WISC 2024128	1

STATE PROJECT NUMBER
6997-04-70

BEGIN PROJECT
STA 100+18.00
Y = 272,377.89
X = 860,017.64

END PROJECT
STA 119+15.53

LAYOUT
SCALE 0 500 ft

TOTAL NET LENGTH OF CENTERLINE = 0.359 MI

HORIZONTAL POSITIONS SHOWN ON THIS PLAN ARE WISCONSIN COORDINATE REFERENCE SYSTEM (WISCRS), SHAWANO COUNTY NAD83 (2011), IN U.S. SURVEY FEET. POSITIONS SHOWN ARE GRID COORDINATES. GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES ARE THE SAME AS GROUND DISTANCES.

ELEVATIONS ARE REFERENCED TO NAVD 88 (2012). GPS DERIVED ELEVATIONS ARE BASED ON GEOID 18.

ACCEPTED FOR
CITY OF SHAWANO
Date 7/7/23 Scott Kroening
(Signature and Title of Official)

ORIGINAL PLANS PREPARED BY
STRAND ASSOCIATES®

STORM SEWER
DESIGNED BY: STRAND ASSOCIATES, INC.

WISCONSIN
ALEXANDER M ZWART
E-45549
MADISON
WI
PROFESSIONAL ENGINEER
7-7-2023

WISCONSIN
TERA R MEYER
E-43318
MADISON
WI
PROFESSIONAL ENGINEER
DATE: 7/7/23
(Professional Engineer Signature)

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

PREPARED BY

Surveyor	STRAND ASSOCIATES, INC.
Designer	STRAND ASSOCIATES, INC.
Project Manager	Jason Schaeffer
Regional Examiner	NORTH CENTRAL REGION
Regional Supervisor	DAN ERVA

APPROVED FOR THE DEPARTMENT
DATE: 7/20/2023
(Signature)

E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\010101-TI.DWG PLOT DATE : 7/14/2023 7:38 AM PLOT BY : CARPENTER, ZACH PLOT NAME :

2

GENERAL NOTES

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

EROSION CONTROL FEATURES AS SHOWN IN THE PLANS ARE AT SUGGESTED LOCATIONS. EXACT LOCATIONS WILL BE DETERMINED BY THE CONTRACTORS'S EROSION CONTROL IMPLEMENTATION PLAN (ECIP) AND APPROVED BY THE ENGINEER IN CONSULTATION WITH THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL SUCH TIME AS THE ENGINEER DETERMINES THE MEASURE IS NO LONGER NECESSARY.

ALL SIGN LOCATIONS SHALL BE REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.

MISCELLANEOUS REMOVAL ITEMS SHALL BE REMOVED TO AN EXISTING JOINT, SAWCUT WHERE SHOWN ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.

RADIUS DIMENSIONS FOR THE CURB AND GUTTER ARE TO THE FLANGE LINE UNLESS OTHERWISE NOTED.

STORM SEWER PIPE ELEVATIONS, LENGTH, AND LOCATIONS AS SHOWN ON THE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

A SAWED JOINT WILL BE REQUIRED WHERE NEW PAVEMENT IS TO MEET AN EXISTING PAVED SURFACE.

THE CONTRACTOR'S PAVING OPERATIONS SHALL BE CONSISTENT WITH THE PLAN TYPICAL SECTIONS AND CONSTRUCTED TO PREVENT HMA LONGITUDINAL JOINTS FROM BEING LOCATED WITHIN A DRIVING OR TURNING LANE.

UTILITY CONTACTS

** CHARTER (SPECTRUM) COMMUNICATIONS - COMMUNICATION LINE
ANDREW NORDSTROM
P.O. BOX 1818
WAUSAU, WI 54402
(715)-527-8466
ANDREW.NORDSTROM@CHARTER.COM

** CITY OF SHAWANO - SANITARY & WATER
PATRICK BERGNER
2905 EAST RICHMOND STREET
SHAWANO, WI 54166
(715)-526-3512
PBERGNER@CITYOFSHAWANO.COM

** FRONTIER COMMUNICATIONS - COMMUNICATION LINE
RUSSELL RYAN
315 OAK STREET
OAKFIELD, WI 53065
(920)-583-3275
RUSSELL.W.RYAN@FTR.COM

** NSIGHT (NET LEC, LLC) - FIBER OPTIC
RICK VINCENT
470 SECURITY BOULEVARD
GREEN BAY, WI 54307
(920)-617-7316
RICK.VINCENT@NSIGHT.COM

** SHAWANO MUNICIPAL UTILITIES - ELECTRIC
ROB KOEPP
122 NORTH SAWYER STREET
SHAWANO, WI 54166
(715)-701-8983
RKOEPP@CITYOFSHAWANO.COM

** WE ENERGIES - GAS/PETROLEUM
EDDIE HEDLUND
800 S LYNNDALE DRIVE
APPLETON, WI 54912
(920)-470-0418
WE-UTILITY-RELOCATIONS@WE-ENERGIES.COM

2

SECTION 2 ORDER OF SHEETS

** DENOTES DIGGERS HOTLINE MEMBER

DIGGERS HOTLINE
Dial 811 or (800)242-8511
www.DiggersHotline.com

HMA PAVEMENT SUMMARY TABLE		
	THICKNESS	HMA TYPE
UPPER LAYER	1.75-INCH	4 MT 58-28 H
LOWER LAYER	3-INCH	3 MT 58-28 S

WISDOT CONTACT

JASON SCHAEFFER
WISDOT NC REGION
1681 2ND AVENUE SOUTH
WISCONSIN RAPIDS, WI 54495
(715) 421-7309
JASON.SCHAEFFER@DOT.WI.GOV

CITY OF SHAWANO

MATT PLESHEK, P.E.
CITY OF SHAWANO DPW
2905 EAST RICHMOND STREET
SHAWANO, WI 54166
(715) 526-3512
MPLESHEK@CITYOFSHAWANO.COM

DESIGN CONSULTANT

TERA MEYER, P.E.
STRAND ASSOCIATES, INC.
910 WEST WINGRA DR.
MADISON, WI 53715
(608) 251-4843
TERA.MEYER@STRAND.COM

DNR LAISON

JIM DOPERALSKI, JR.
WISCONSIN DEPARTMENT OF NATURAL RESOURCES
2984 SHAWANO AVENUE
GREEN BAY, WI 54313
(920) 412-0165
JAMES.DOPERALSKI@WISCONSIN.GOV

2

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N

SHAWANO CREEK

BEGIN PROJECT
STA 100+18.00
Y=272,377.89
X=860,017.64

END PROJECT
STA 119+15.53

END CONSTRUCTION
STA 119+33.74

STH 47/55/N MAIN ST

N SAWYER ST

E FIFTH ST

105

110

115

120

FOX VALLEY & LAKE SUPERIOR RR

N WASHINGTON ST

N SAWYER ST

N ANDREWS ST

N LINCOLN ST

N UNION ST

N HAMLIN ST

STH 22/29/47/E GREEN BAY ST

STH 22/S MAIN ST

S SAWYER ST

S ANDREWS ST

S LINCOLN ST

S UNION ST

S HAMLIN ST

CITY OF SHAWANO

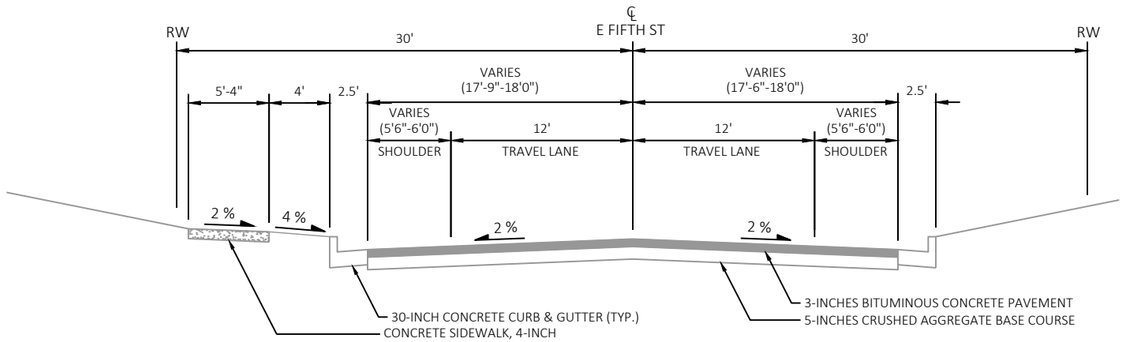
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PROJECT OVERVIEW	SHEET 3	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020201-PO.DWG
LAYOUT NAME - 020201-po

PLOT DATE : 7/14/2023 7:38 AM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:200 FT

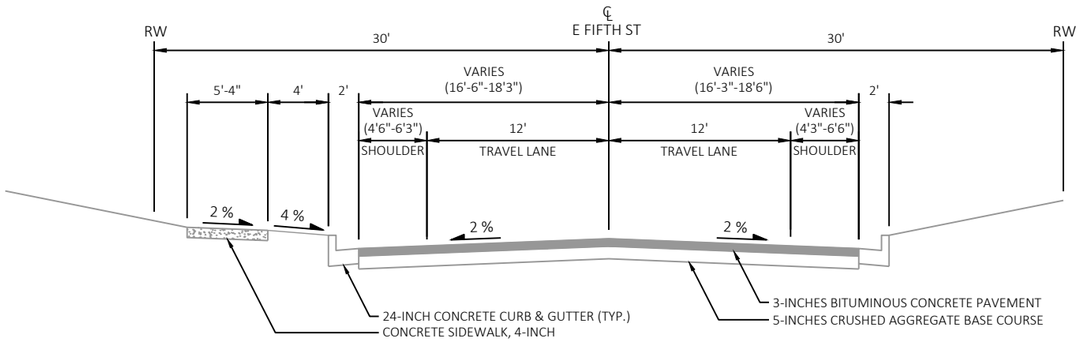
WISDOT/CADDS SHEET 42

2



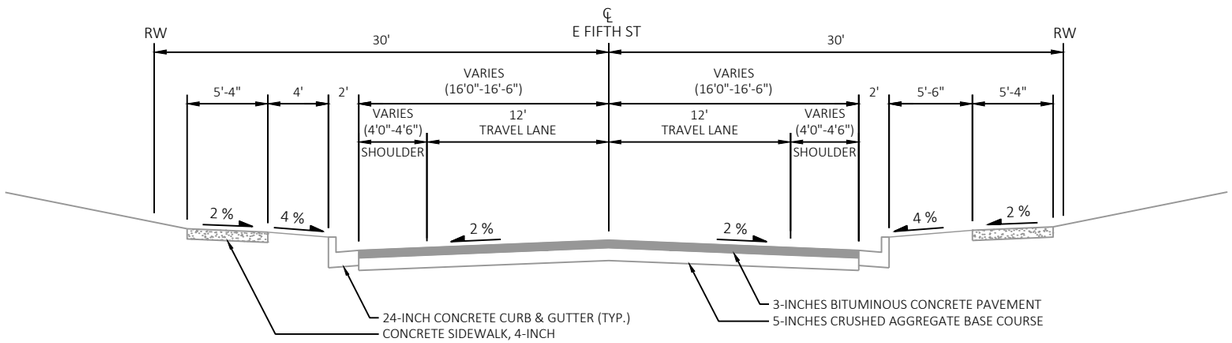
EXISTING TYPICAL SECTION

(N MAIN ST TO N SAWYER ST)
STA 100+18 - STA 104+50



EXISTING TYPICAL SECTION

(N SAWYER ST TO N LINCOLN ST)
STA 104+50 - STA 113+75



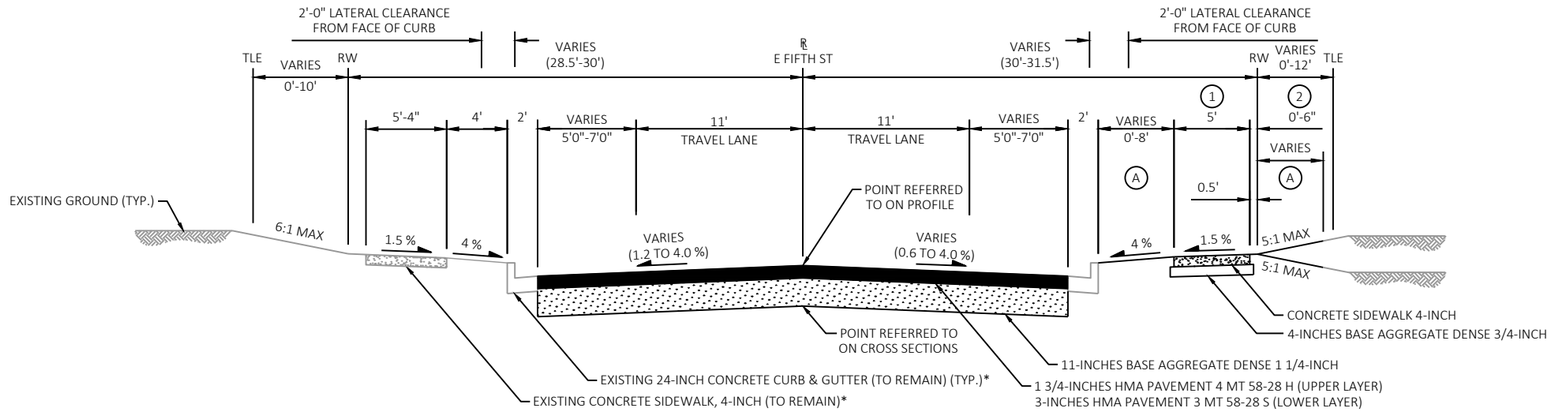
EXISTING TYPICAL SECTION

(N LINCOLN ST TO N HAMLIN ST)
STA 113+75 - STA 119+16

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	TYPICAL SECTIONS	SHEET 4	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\020301-TS.DWG
LAYOUT NAME - 020301-ts
PLOT DATE : 7/14/2023 7:38 AM
PLOT BY : CARPENTER, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:10 FT

2



FINISHED TYPICAL SECTION

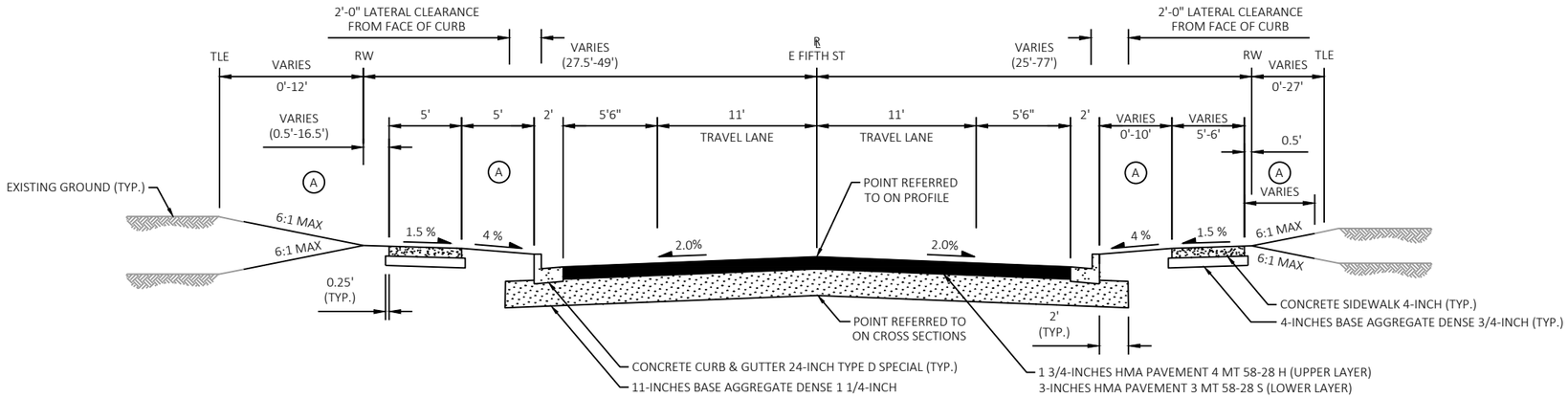
STA 100+18 - STA 111+88
STA 115+31 - STA 119+16

(1) 6' SIDEWALK FROM STA 102+47 TO STA 102+62 AND
STA 110+00 TO STA 111+88

(2) STA 100+18 TO STA 104+50 OFFSET FROM RW IS 1.5'
STA 104+50 TO STA 109+50 OFFSET FROM RW IS 0.5'
STA 109+50 TO STA 111+88 OFFSET FROM RW IS 7.0'
STA 116+50 TO STA 119+16 OFFSET FROM RW IS 1.0'

(A) TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT
URBAN CLASS I TYPE A

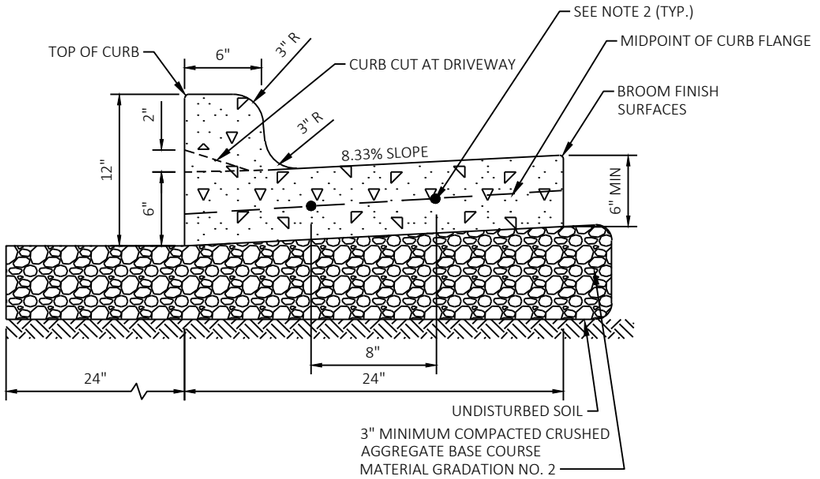
* EXISTING 30-INCH CONCRETE CURB & GUTTER FROM STA 100+18 to 104+50.
SEE PLAN DETAILS FOR SPOT REPAIRS TO EXISTING CONCRETE SIDEWALK,
4-INCH AND EXISTING 24-INCH OR 30-INCH CONCRETE CURB & GUTTER



FINISHED TYPICAL SECTION

STA 111+88 - STA 115+31

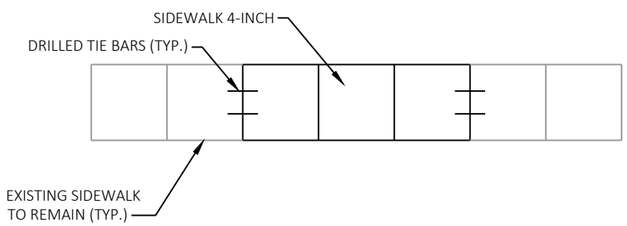
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	TYPICAL SECTIONS	SHEET 5	E



NOTES:
1. PROVIDE 1" EXPANSION JOINTS AT 300' INTERVALS OR AS SPECIFIED. PROVIDE CONTRACTION JOINTS EVERY 30' OR AS DIRECTED.

2. AT REMOVAL AND REPLACEMENT AREAS AND AT TIE-INS TO EXISTING CURB AND GUTTER, PROVIDE (2) #5 DRILL BARS, 18" LONG. DRILL INTO EXISTING CURB AND GUTTER 9". MATCH EXISTING SLOPE OF EXISTING GUTTER PAN.

CONCRETE CURB & GUTTER 24-INCH, TYPE D SPECIAL



SIDEWALK SPOT REPLACEMENT

RUNOFF COEFFICIENT TABLE

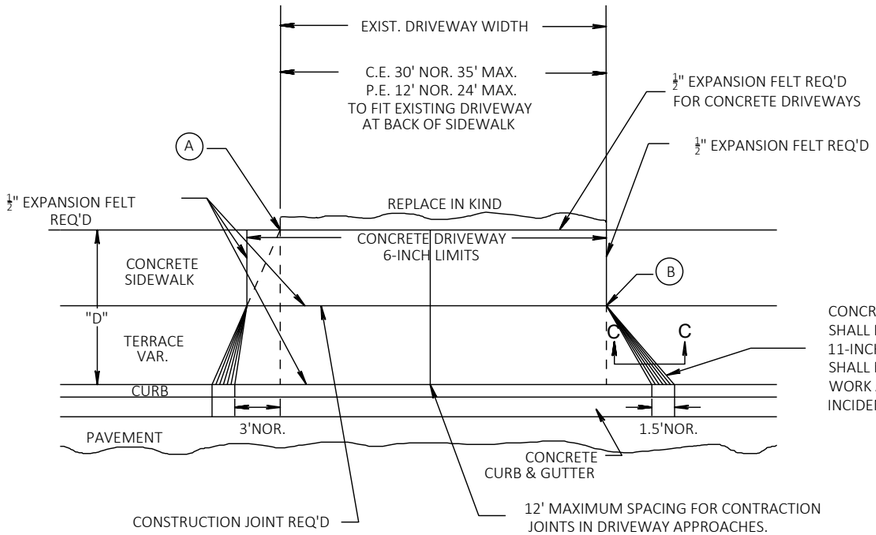
	HYDROLOGIC SOIL GROUP											
	A			B			C			D		
	SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)			SLOPE RANGE (PERCENT)		
LAND USE:	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER	0-2	2-6	6 & OVER
ROW CROPS	.08 .22	.16 .30	.22 .38	.12 .26	.20 .34	.27 .44	.15 .30	.24 .37	.33 .50	.19 .34	.28 .41	.38 .56
MEDIAN STRIP-TURF	.19 .24	.20 .26	.24 .30	.19 .25	.22 .28	.26 .33	.20 .26	.23 .30	.30 .37	.20 .27	.25 .32	.30 .40
SIDE SLOPE-TURF			.25 .32			.27 .34			.28 .36			.30 .38
PAVEMENT:												
ASPHALT	.70 - .95											
CONCRETE	.80 - .95											
BRICK	.70 - .80											
DRIVES, WALKS	.75 - .85											
ROOFS	.75 - .95											
GRAVEL ROADS, SHOULDERS	.40 - .60											

TOTAL PROJECT AREA = 3.30 ACRES
TOTAL AREA EXPECTED TO BE DISTURBED BY CONSTRUCTION ACTIVITIES = 2.52 ACRES

2

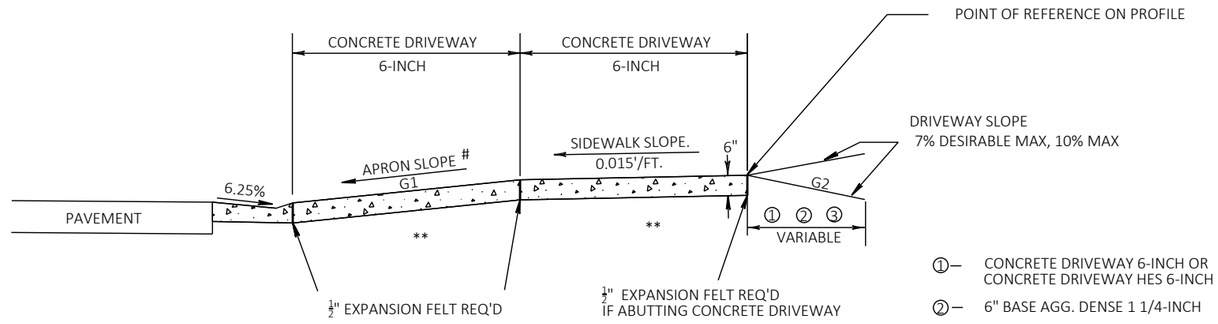
2

DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK, CURB & GUTTER



CONCRETE IN THE 1.5' TAPER AREA SHALL BE TAPERED TO A DEPTH OF 11-INCHES AND THE EXPANSION FELT SHALL MATCH THIS DEPTH. THIS WORK AND MATERIAL WILL BE INCIDENTAL TO THE BID ITEM.

PLAN VIEW



① — CONCRETE DRIVEWAY 6-INCH OR CONCRETE DRIVEWAY HES 6-INCH

② — 6" BASE AGG. DENSE 1 1/4-INCH

③ — 4" BASE AGG. DENSE 1 1/4-INCH BASE WITH 2" ASPHALTIC SURFACE

** = 6" BASE AGG. DENSE 1 1/4-INCH REQ'D UNDER CONCRETE DRWY

TYPICAL SIDEWALK SECTION

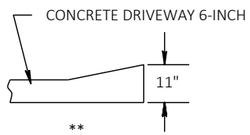
#	TERRACE WIDTH	APRON SLOPE (G1) MIN %	DESIRABLE %	MAX %
3 FT	7.0	8.5	9.0
4 FT	5.0	7.0	9.0
5 FT	4.0	7.0	9.0
6 FT	4.0	7.0	9.0
7 FT	3.5	7.0	9.0
8 FT	3.0	7.0	9.0

NOTE: ALGEBRAIC DIFFERENCE BETWEEN TANGENT GRADES G1 & G2 TO NOT EXCEED 15%

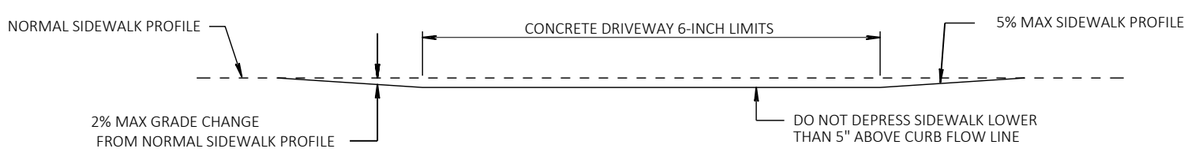
DEPRESS SIDEWALK PROFILE IF DRIVEWAY APRON EXCEEDS MAX SLOPE

Ⓐ WHEN "D" IS 13' OR LESS, ALIGN TAPER WITH BACK OF SIDEWALK

Ⓑ WHEN "D" IS GREATER THAN 13', ALIGN TAPER WITH FRONT OF SIDEWALK



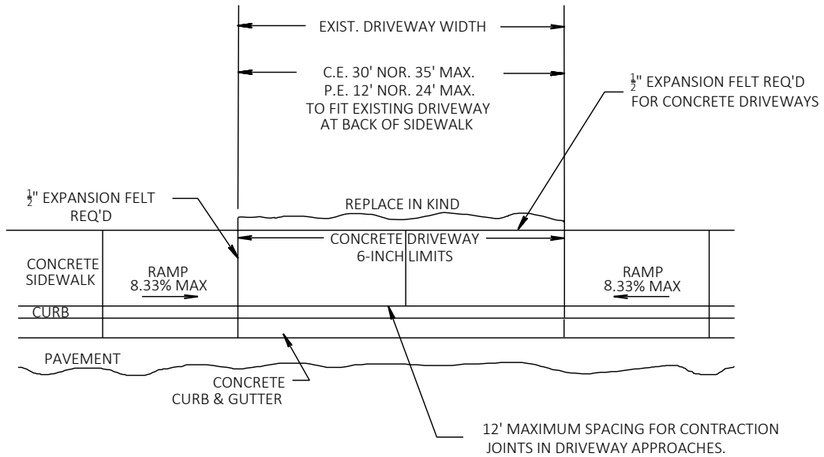
SECTION C-C



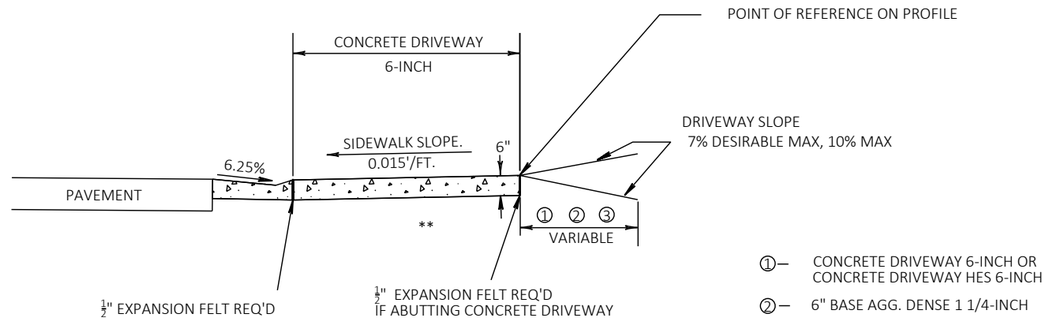
DEPRESSED SIDEWALK PROFILE DETAIL

2

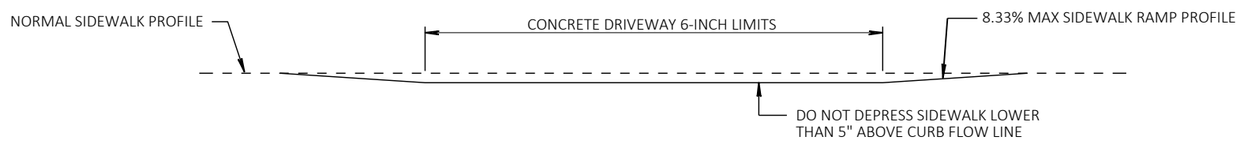
DRIVEWAY ENTRANCE DETAIL WITH SIDEWALK ABUTTING CURB & GUTTER



PLAN VIEW



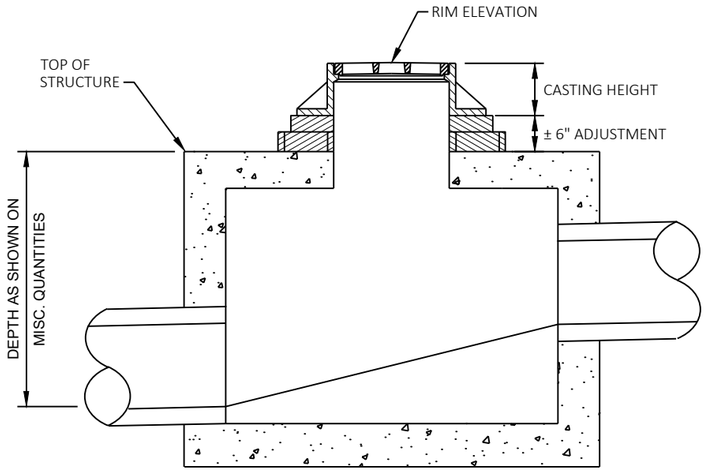
TYPICAL SIDEWALK SECTION



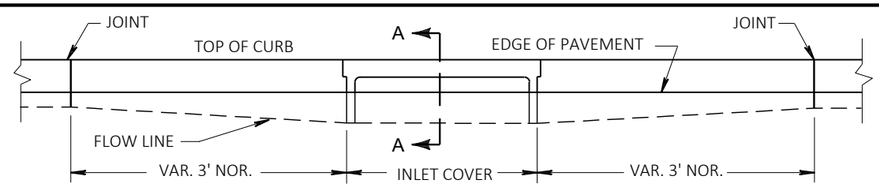
DEPRESSED SIDEWALK PROFILE DETAIL

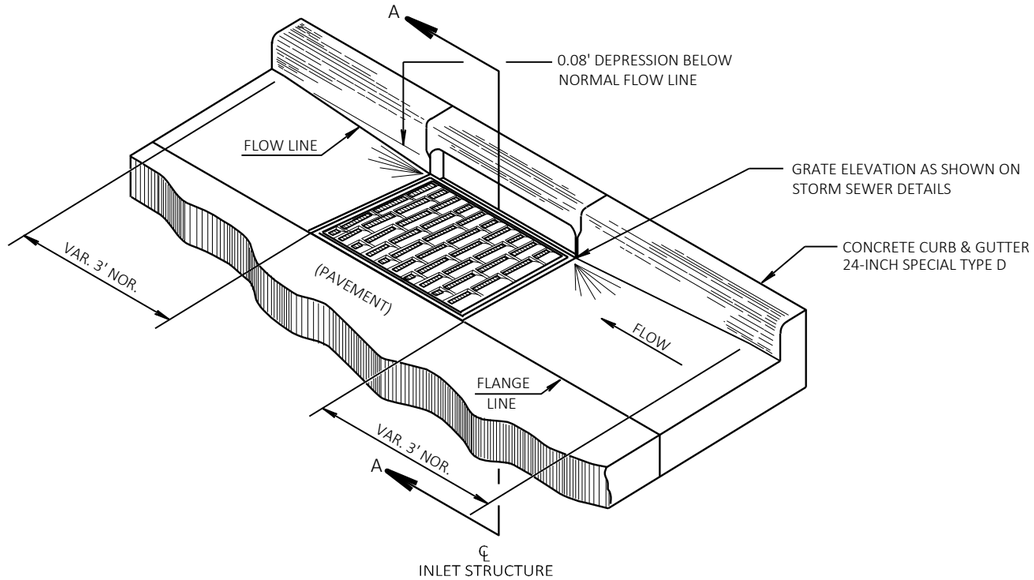
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CONSTRUCTION DETAILS	SHEET 8	E

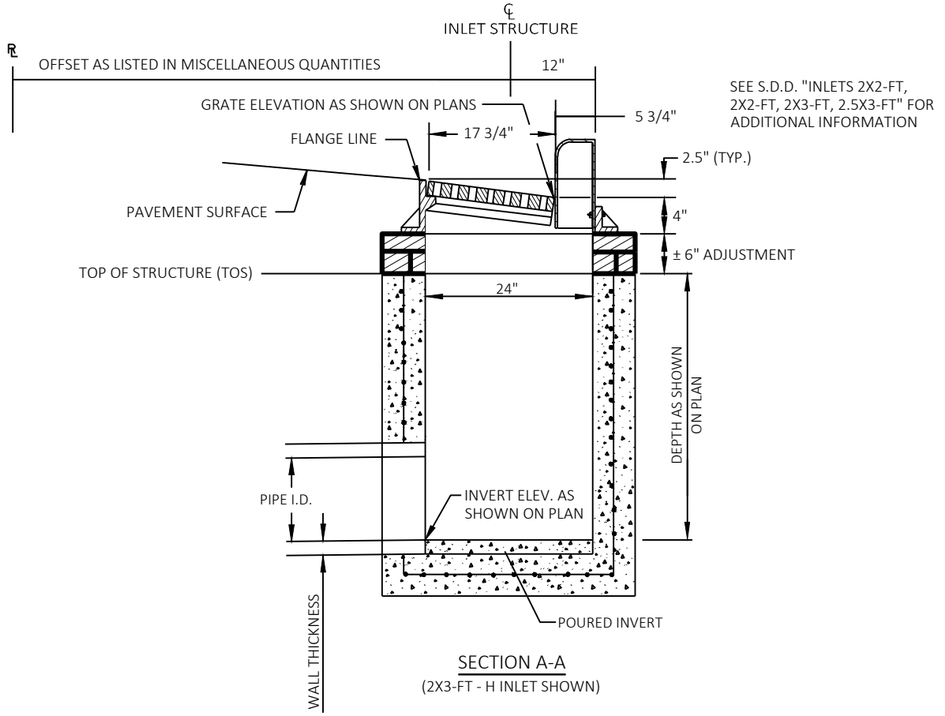
FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021001-CD.DWG
LAYOUT NAME - 021003-cd
PLOT DATE : 7/14/2023 7:38 AM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 42



DETAIL FOR COMPUTING MANHOLE STRUCTURE ELEVATIONS







SECTION A-A
(2X3-FT - H INLET SHOWN)

DETAIL OF CONCRETE CURB & GUTTER 24-INCH SPECIAL TYPE D SPECIAL AT INLETS

LEGEND

24(D)	CONCRETE CURB & GUTTER 24-INCH TYPE D
30(D)	CONCRETE CURB & GUTTER 30-INCH TYPE D
30 H (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D HES
CS-4	CONCRETE SIDEWALK 4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD HES-6	CONCRETE DRIVEWAY HES 6-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B.A.D.	BASE AGGREGATE DENSE 1 1/4-INCH DRIVEWAY

REMOVE EXISTING CONCRETE IN TERRACE

CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA

TRAFFIC FLOW

SLOPE INTERCEPT

SAWING ASPHALT

SAWING CONCRETE

CURB RAMP, TYPE X

NOTES:

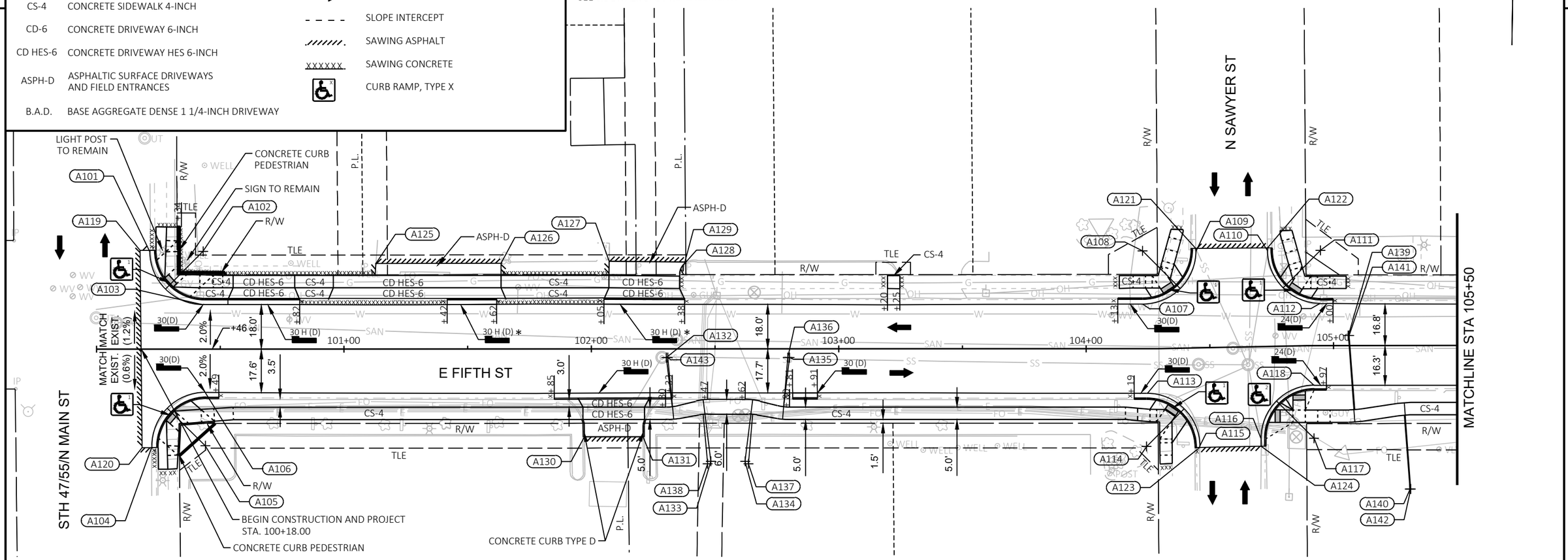
EXISTING CONCRETE IN THE TERRACE IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

SEE "CURB RAMP DETAILS" FOR ADDITIONAL LAYOUT INFORMATION AND REMOVAL LIMITS.

SEE SIDEWALK SPOT REPLACEMENT.

* DENOTES CURB & GUTTER IN FRONT OF DRIVEWAY WITH A 8.33% GUTTER SLOPE

N



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
A101	100+21.57	39.43 LT	272417.368	860020.576	END OF RADIUS
A102	100+43.07	39.50 LT	272417.784	860042.072	R=21.5'
A103	100+42.72	18.00 LT	272396.284	860042.072	END OF RADIUS
A104	100+22.41	39.24 RT	272338.719	860022.684	END OF RADIUS
A105	100+43.91	39.00 RT	272339.308	860044.176	R=21.5'
A106	100+43.91	17.50 RT	272360.805	860043.832	END OF RADIUS
A107	104+22.76	18.00 LT	272402.377	860422.062	END OF RADIUS
A108	104+22.76	39.50 LT	272423.875	860421.717	R=21.5'
A109	104+45.07	38.83 LT	272423.875	860443.217	END OF RADIUS
A110	104+74.07	38.69 LT	272424.804	860472.209	END OF RADIUS
A111	104+94.78	38.50 LT	272425.281	860493.703	R=21.5'

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
A112	104+94.43	17.00 LT	272403.781	860493.703	END OF RADIUS
A113	104+24.71	18.00 RT	272366.411	860424.588	END OF RADIUS
A114	104+24.36	39.50 RT	272344.911	860424.588	R=21.5'
A115	104+45.04	39.75 RT	272345.355	860446.083	END OF RADIUS
A116	104+69.84	37.21 RT	272348.803	860470.767	END OF RADIUS
A117	104+92.10	37.50 RT	272349.247	860492.262	R=21.5'
A118	104+92.10	16.00 RT	272370.745	860491.912	END OF RADIUS
A119	100+17.58	39.91 LT	272417.789	860016.586	MATCH
A120	100+18.42	39.80 RT	272338.103	860018.700	MATCH
A121	104+45.09	40.20 LT	272425.244	860443.192	MATCH
A122	104+74.09	39.80 LT	272425.912	860472.184	MATCH

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
A123	104+45.03	40.25 RT	272344.855	860446.093	MATCH
A124	104+69.79	40.21 RT	272345.805	860470.827	MATCH
A125	101+12.95	34.60 LT	272414.011	860112.027	MATCH
A126	101+63.52	34.61 LT	272414.823	860162.589	MATCH
A127	102+07.18	35.46 LT	272416.380	860206.233	MATCH
A128	102+37.80	34.57 LT	272415.982	860236.859	
A129	102+37.80	35.12 LT	272416.532	860236.856	MATCH
A130	101+97.13	35.50 RT	272345.265	860197.316	
A131	102+20.87	35.50 RT	272345.646	860221.055	
A132	102+30.25	3.50 RT	272377.792	860229.927	R=20'
A133	102+48.26	45.38 RT	272336.204	860248.604	R=25'

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
A134	102+62.11	45.39 RT	272336.414	860262.447	R=25'
A135	102+80.07	3.50 RT	272378.591	860279.733	R=20'
A136	102+79.41	3.50 RT	272378.581	860279.077	R=25'
A137	102+63.45	46.40 RT	272335.434	860263.807	R=20'
A138	102+46.92	46.38 RT	272335.183	860247.280	R=20'
A139	105+05.94	4.00 LT	272390.967	860505.424	R=35'
A140	105+30.79	58.00 RT	272329.380	860531.278	R=30'
A141	105+06.31	4.00 LT	272390.973	860505.796	R=30'
A142	105+31.16	58.00 RT	272329.386	860531.651	R=35'
A143	102+30.91	3.50 RT	272377.803	860230.578	R=25'

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PLAN DETAILS	SHEET 10	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021201-pd
PLOT DATE : 11/17/2023 8:11 AM
PLOT BY : STANIOCH, DREW
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

LEGEND

24(D)	CONCRETE CURB & GUTTER 24-INCH TYPE D
30(D)	CONCRETE CURB & GUTTER 30-INCH TYPE D
30 H (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D HES
CS-4	CONCRETE SIDEWALK 4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD HES-6	CONCRETE DRIVEWAY HES 6-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B.A.D.	BASE AGGREGATE DENSE 1 1/4-INCH DRIVEWAY

	REMOVE EXISTING CONCRETE IN TERRACE
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	TRAFFIC FLOW
	SLOPE INTERCEPT
	SAWING ASPHALT
XXXXXX	SAWING CONCRETE
	CURB RAMP, TYPE X

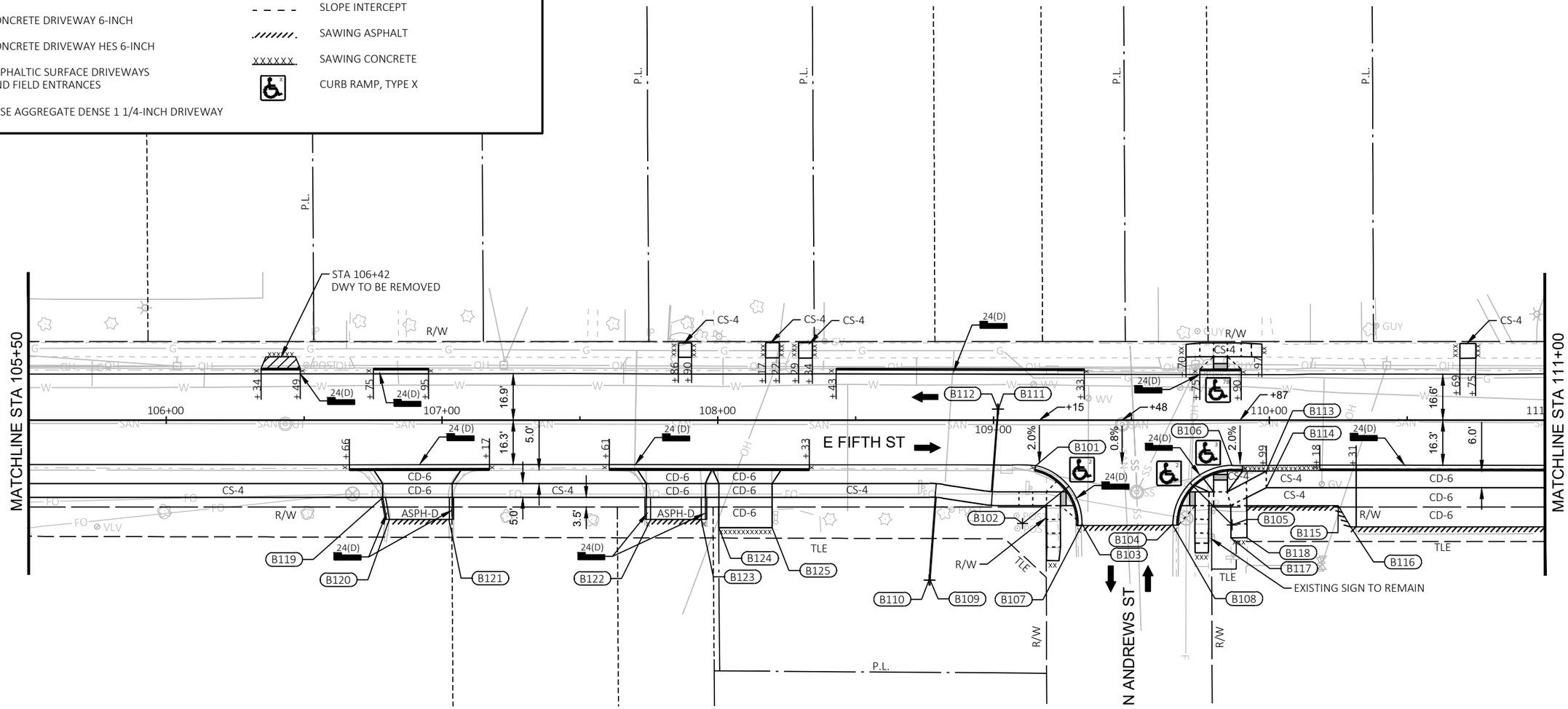
NOTES:

EXISTING CONCRETE IN THE TERRACE IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

SEE "CURB RAMP DETAILS" FOR ADDITIONAL LAYOUT INFORMATION AND REMOVAL LIMITS.

SEE SIDEWALK SPOT REPLACEMENT.

N



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
B101	109+15.29	16.54 RT	272377.097	860915.054	END OF RADIUS
B102	109+10.50	37.50 RT	272356.063	860910.600	R=21.5'
B103	109+32.00	37.40 RT	272356.509	860932.096	END OF RADIUS
B104	109+65.00	37.65 RT	272356.801	860965.101	END OF RADIUS
B105	109+86.50	38.00 RT	272356.801	860986.601	R=21.5'
B106	109+86.50	16.50 RT	272378.298	860986.251	END OF RADIUS
B107	109+32.00	38.24 RT	272355.670	860932.113	MATCH

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
B108	109+65.00	38.10 RT	272356.355	860965.106	MATCH
B109	108+76.98	58.00 RT	272335.020	860877.422	R=30'
B110	108+76.61	58.00 RT	272335.014	860877.049	R=35'
B111	109+01.83	4.00 LT	272397.416	860901.257	R=35'
B112	109+01.45	4.00 LT	272397.410	860900.884	R=30'
B113	109+98.90	18.50 RT	272376.501	860998.687	
B114	109+98.90	24.50 RT	272370.501	860998.786	

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
B115	110+25.01	31.00 RT	272364.428	861024.995	MATCH
B116	110+29.47	38.74 RT	272356.757	861029.583	MATCH
B117	109+86.10	42.69 RT	272352.107	860986.279	MATCH
B118	109+91.90	42.63 RT	272352.257	860992.075	MATCH
B119	106+78.60	28.00 RT	272361.784	860678.577	
B120	106+80.94	36.00 RT	272353.823	860681.050	MATCH
B121	107+02.50	36.00 RT	272354.175	860702.610	MATCH

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
B122	107+75.75	36.00 RT	272355.368	860775.843	MATCH
B123	107+94.06	36.00 RT	272355.666	860794.156	MATCH
B124	108+00.40	39.00 RT	272352.770	860800.546	MATCH
B125	108+19.67	39.00 RT	272353.084	860819.813	MATCH

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PLAN DETAILS	SHEET 11	E

LEGEND

24(D)	CONCRETE CURB & GUTTER 24-INCH TYPE D
30(D)	CONCRETE CURB & GUTTER 30-INCH TYPE D
30 H (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D HES
CS-4	CONCRETE SIDEWALK 4-INCH
CD-6	CONCRETE DRIVEWAY 6-INCH
CD HES-6	CONCRETE DRIVEWAY HES 6-INCH
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES
B.A.D.	BASE AGGREGATE DENSE 1 1/4-INCH DRIVEWAY
	REMOVE EXISTING CONCRETE IN TERRACE
	CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
	TRAFFIC FLOW
	SLOPE INTERCEPT
	SAWING ASPHALT
XXXXXX	SAWING CONCRETE
	CURB RAMP, TYPE X

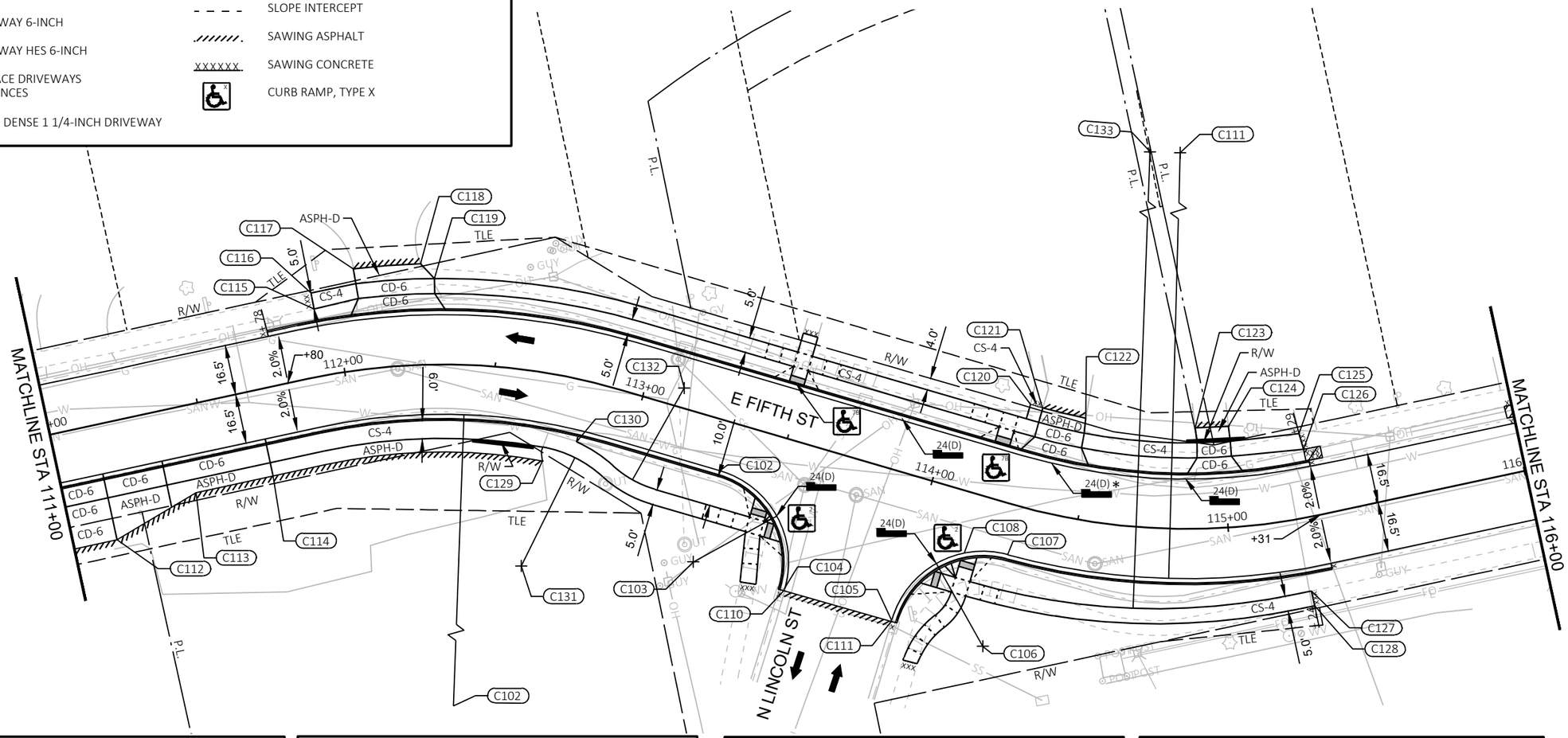
NOTES:

EXISTING CONCRETE IN THE TERRACE IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

SEE "CURB RAMP DETAILS" FOR ADDITIONAL LAYOUT INFORMATION AND REMOVAL LIMITS.

SEE SIDEWALK SPOT REPLACEMENT.

* DENOTES CURB & GUTTER IN FRONT OF DRIVEWAY WITH A 8.33% GUTTER SLOPE



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C101	111+87.68	211.00 RT	272187.101	861190.572	R=227.5'
C102	113+31.48	16.50 RT	272341.537	861315.010	END OF RADIUS
C103	113+31.48	48.00 RT	272313.617	861300.426	R=31.5'
C104	113+62.98	48.00 RT	272299.032	861328.347	END OF RADIUS
C105	113+99.98	47.95 RT	272281.948	861361.166	END OF RADIUS
C106	114+30.52	48.00 RT	272267.364	861389.087	R=31.5'
C107	114+30.52	16.50 RT	272295.570	861403.109	END OF RADIUS
C108	114+16.89	20.03 RT	272298.864	861389.087	END OF RADIUS
C109	114+26.29	211.00 LT	272499.287	861504.380	R=194.5'

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C110	113+62.98	48.74 RT	272298.376	861328.004	MATCH
C111	113+99.98	48.48 RT	272281.474	861360.919	MATCH
C112	111+14.47	38.75 RT	272358.141	861114.567	MATCH
C113	111+43.36	29.00 RT	272368.355	861143.300	MATCH
C114	111+69.47	29.00 RT	272368.781	861169.401	MATCH
C115	111+93.81	22.30 LT	272420.380	861193.548	MATCH
C116	111+93.74	27.74 LT	272425.820	861193.547	MATCH
C117	112+06.98	33.50 LT	272430.911	861208.934	MATCH
C118	112+26.28	33.50 LT	272428.214	861231.127	MATCH

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C119	112+30.17	28.50 LT	272422.511	861234.647	
C120	114+24.18	33.50 LT	272342.937	861420.323	MATCH
C121	114+28.76	33.45 LT	272340.962	861424.019	MATCH
C122	114+46.21	33.50 LT	272334.912	861437.395	MATCH
C123	114+89.53	33.50 LT	272324.707	861472.314	MATCH
C124	115+02.68	33.50 LT	272323.049	861483.246	MATCH
C125	115+29.38	27.75 LT	272316.037	861505.697	MATCH
C126	115+29.79	22.39 LT	272310.689	861506.108	MATCH
C127	115+23.54	24.26 RT	272264.075	861499.562	

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
C128	115+23.70	29.25 RT	272259.082	861499.648	
C129	112+71.07	28.98 RT	272356.209	861257.904	MATCH
C130	112+82.21	20.50 RT	272360.122	861270.285	
C131	112+70.29	64.50 RT	272323.407	861244.265	R=40'
C132	113+12.40	6.50 LT	272370.757	861308.747	R=35'
C133	114+21.77	191.50 LT	272484.095	861491.347	R=220'

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PLAN DETAILS	SHEET 12	E

LEGEND

24(D)	CONCRETE CURB & GUTTER 24-INCH TYPE D		REMOVE EXISTING CONCRETE IN TERRACE
30(D)	CONCRETE CURB & GUTTER 30-INCH TYPE D		CURB RAMP DETECTABLE WARNING FIELD NATURAL PATINA
30 H (D)	CONCRETE CURB & GUTTER 30-INCH TYPE D HES		TRAFFIC FLOW
CS-4	CONCRETE SIDEWALK 4-INCH		SLOPE INTERCEPT
CD-6	CONCRETE DRIVEWAY 6-INCH		SAWING ASPHALT
CD HES-6	CONCRETE DRIVEWAY HES 6-INCH	XXXXXX	SAWING CONCRETE
ASPH-D	ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES		CURB RAMP, TYPE X
B.A.D.	BASE AGGREGATE DENSE 1 1/4-INCH DRIVEWAY		

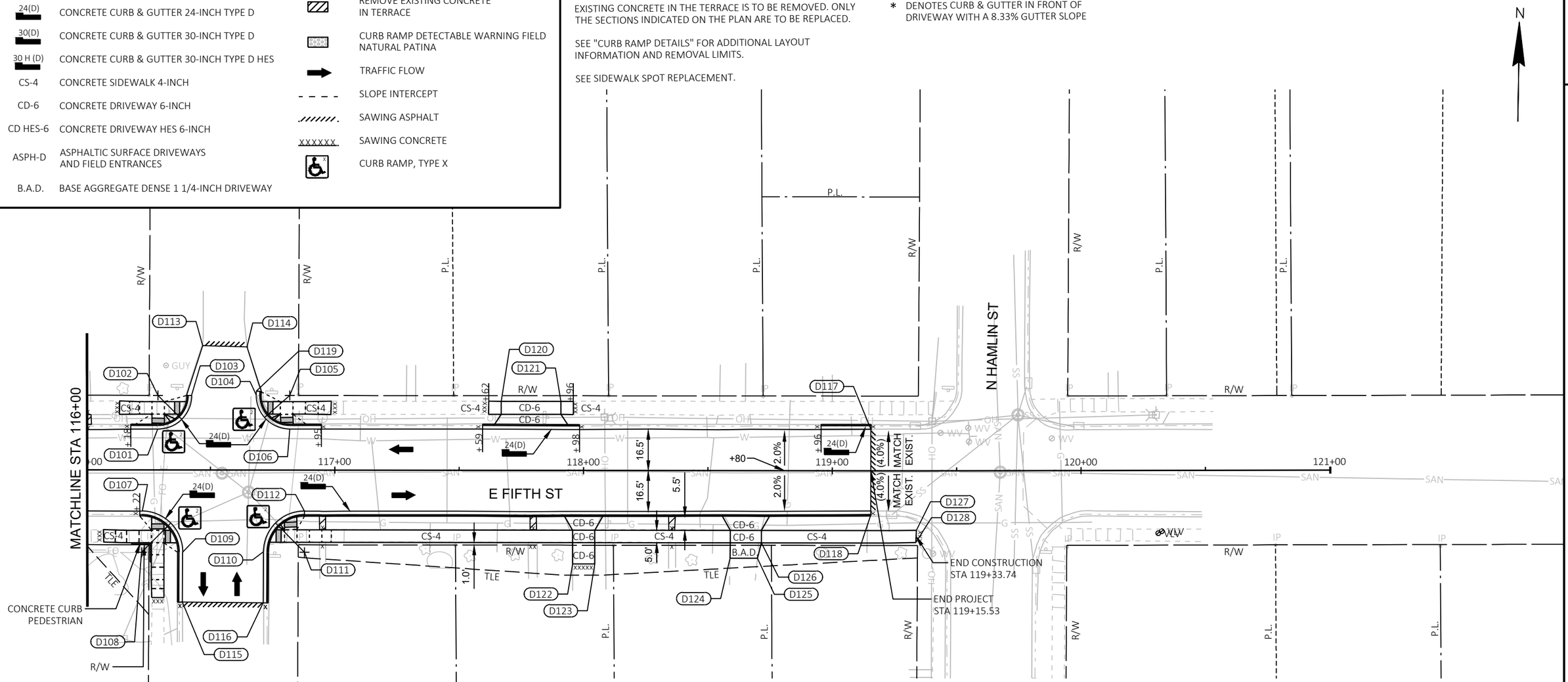
NOTES:

EXISTING CONCRETE IN THE TERRACE IS TO BE REMOVED. ONLY THE SECTIONS INDICATED ON THE PLAN ARE TO BE REPLACED.

SEE "CURB RAMP DETAILS" FOR ADDITIONAL LAYOUT INFORMATION AND REMOVAL LIMITS.

SEE SIDEWALK SPOT REPLACEMENT.

* DENOTES CURB & GUTTER IN FRONT OF DRIVEWAY WITH A 8.33% GUTTER SLOPE



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
D101	116+28.87	16.50 LT	272306.238	861605.134	END OF RADIUS
D102	116+28.87	30.00 LT	272319.737	861604.937	R=13.5'
D103	116+42.37	29.95 LT	272319.886	861618.436	END OF RADIUS
D104	116+68.37	30.20 LT	272320.511	861644.431	END OF RADIUS
D105	116+81.87	30.00 LT	272320.511	861657.931	R=13.5'
D106	116+81.87	16.50 LT	272307.012	861658.129	END OF RADIUS
D107	116+22.61	16.50 RT	272273.148	861599.358	END OF RADIUS
D108	116+22.37	33.00 RT	272256.648	861599.358	R=16.5'
D109	116+38.87	33.05 RT	272256.836	861615.857	END OF RADIUS

STATION & OFFSET TABLE

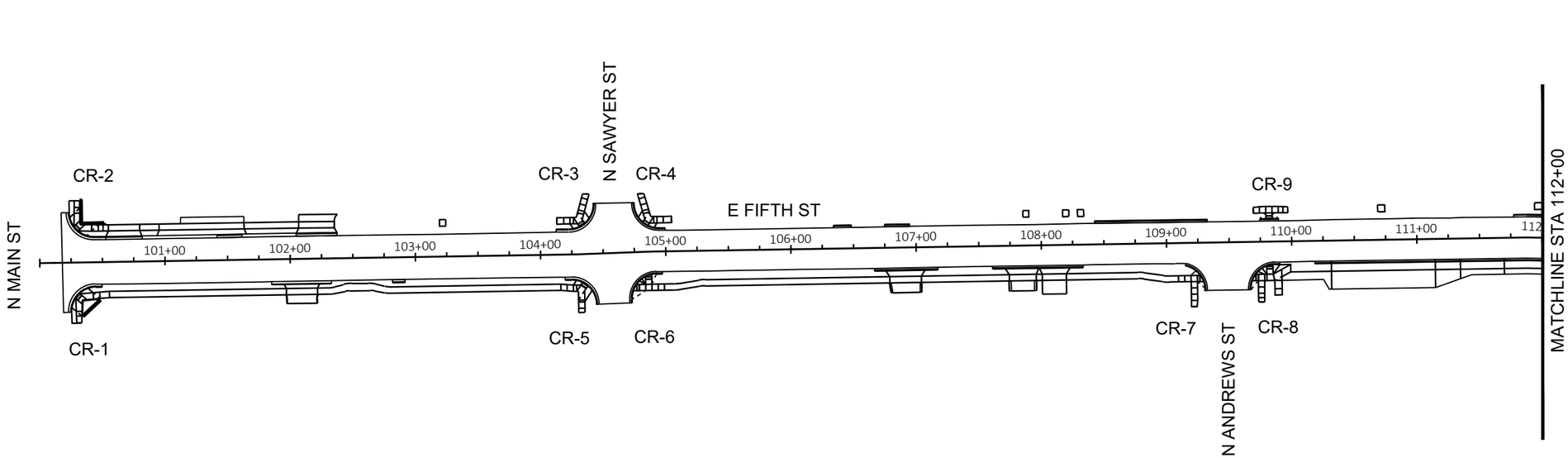
POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
D110	116+71.37	32.76 RT	272257.605	861648.351	END OF RADIUS
D111	116+87.87	33.00 RT	272257.605	861664.851	R=16.5'
D112	116+87.87	16.50 RT	272274.104	861664.610	END OF RADIUS
D113	116+46.92	49.95 LT	272339.945	861622.697	MATCH
D114	116+64.72	49.55 LT	272339.807	861640.506	MATCH
D115	116+38.80	53.05 RT	272236.836	861616.084	MATCH
D116	116+71.30	53.32 RT	272237.041	861648.584	MATCH
D117	119+15.53	16.70 LT	272310.631	861891.764	MATCH
D118	119+15.53	17.64 RT	272276.294	861892.263	MATCH

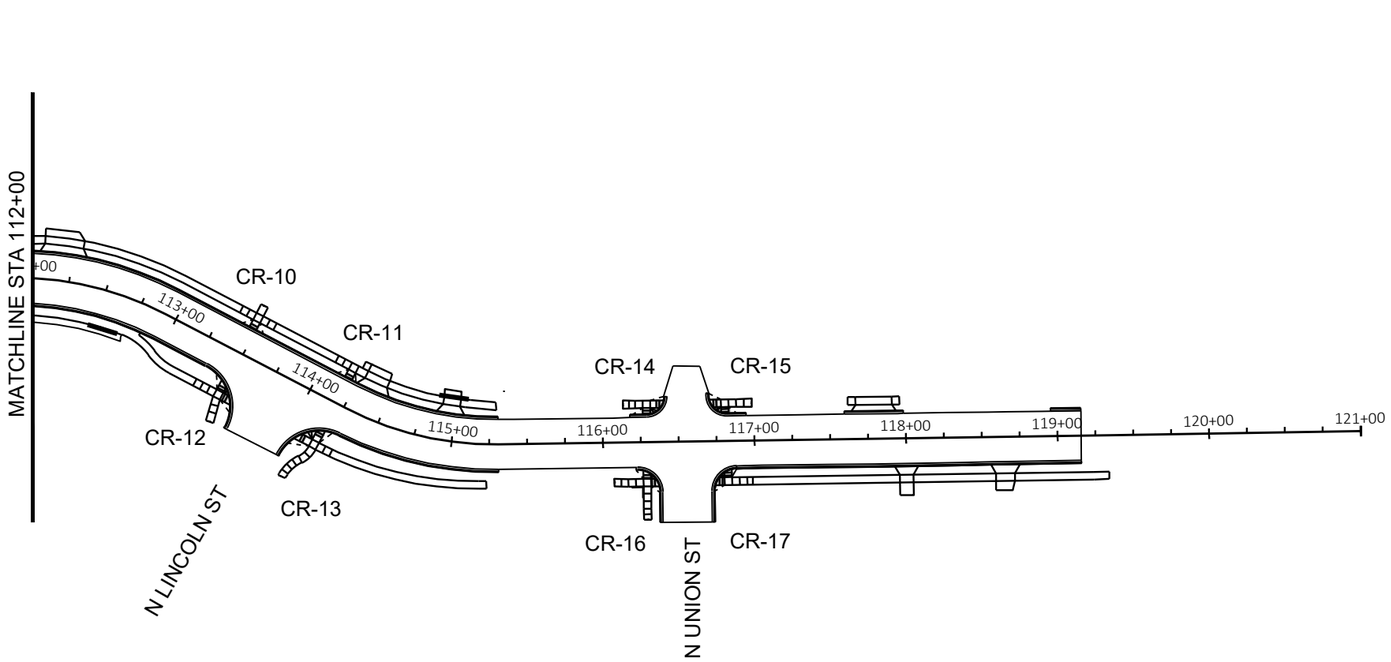
STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	RADIUS
D119	116+68.48	31.78 LT	272322.094	861644.524	
D120	117+66.88	27.75 LT	272319.503	861742.970	
D121	117+90.88	27.68 LT	272319.789	861766.968	
D122	117+95.65	37.50 RT	272254.680	861772.686	MATCH
D123	118+04.52	37.50 RT	272254.810	861781.560	MATCH
D124	118+58.92	35.18 RT	272257.926	861835.920	
D125	118+69.90	35.18 RT	272258.086	861846.894	
D126	118+71.56	29.00 RT	272264.288	861848.465	
D127	119+33.86	23.92 RT	272270.278	861910.685	MATCH

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PLAN DETAILS	SHEET 13	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021201-PD.DWG
LAYOUT NAME - 021204-pd
PLOT DATE : 7/14/2023 7:38 AM
PLOT BY : CARPENTER, ZACH
PLOT NAME :
PLOT SCALE : ##########
WISDOT/CADDS SHEET 42



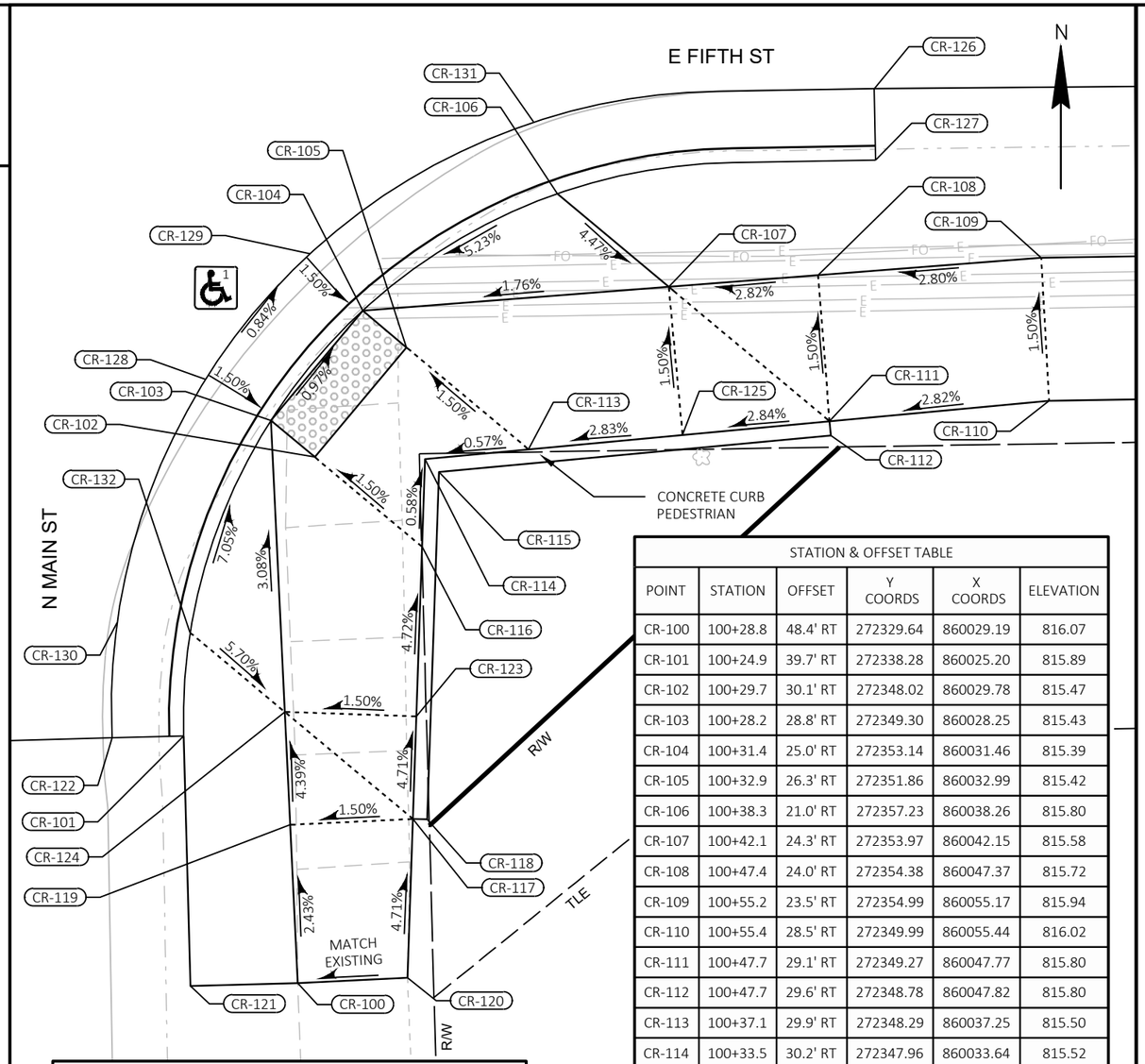


PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 14	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021301_cr

PLOT DATE : 7/18/2023 12:19 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:100 FT

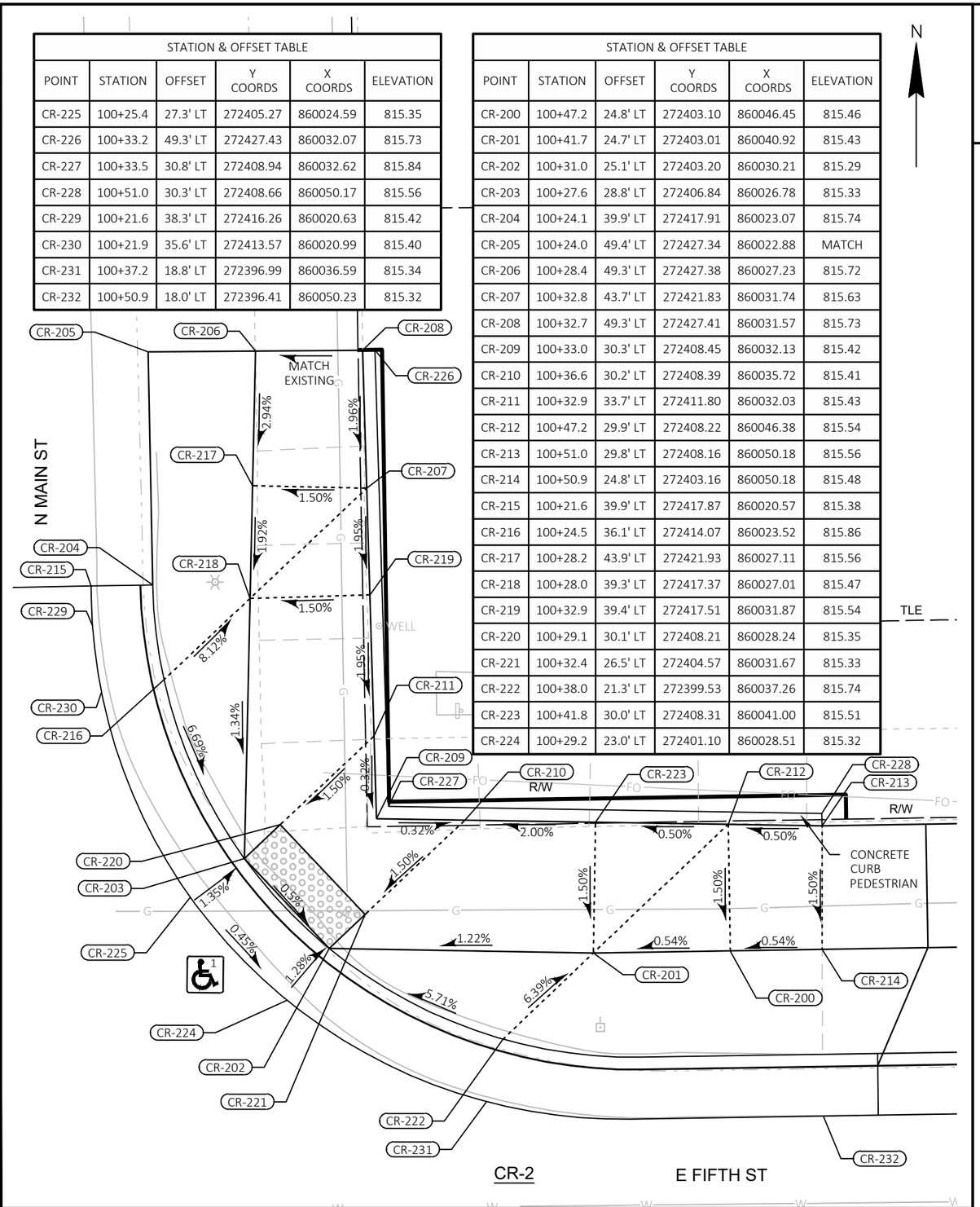
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-100	100+28.8	48.4' RT	272329.64	860029.19	816.07
CR-101	100+24.9	39.7' RT	272338.28	860025.20	815.89
CR-102	100+29.7	30.1' RT	272348.02	860029.78	815.47
CR-103	100+28.2	28.8' RT	272349.30	860028.25	815.43
CR-104	100+31.4	25.0' RT	272353.14	860031.46	815.39
CR-105	100+32.9	26.3' RT	272351.86	860032.99	815.42
CR-106	100+38.3	21.0' RT	272357.23	860038.26	815.80
CR-107	100+42.1	24.3' RT	272353.97	860042.15	815.58
CR-108	100+47.4	24.0' RT	272354.38	860047.37	815.72
CR-109	100+55.2	23.5' RT	272354.99	860055.17	815.94
CR-110	100+55.4	28.5' RT	272349.99	860055.44	816.02
CR-111	100+47.7	29.1' RT	272349.27	860047.77	815.80
CR-112	100+47.7	29.6' RT	272348.78	860047.82	815.80
CR-113	100+37.1	29.9' RT	272348.29	860037.25	815.50
CR-114	100+33.5	30.2' RT	272347.96	860033.64	815.52
CR-115	100+34.0	30.6' RT	272347.50	860034.13	816.02
CR-116	100+33.4	33.3' RT	272344.88	860033.54	815.54
CR-117	100+32.9	42.8' RT	272335.38	860033.21	815.99
CR-118	100+33.4	42.8' RT	272335.36	860033.71	815.99
CR-119	100+28.6	42.9' RT	272335.17	860028.93	815.92
CR-120	100+32.6	48.3' RT	272329.83	860033.02	816.25
CR-121	100+25.0	48.5' RT	272329.54	860025.44	MATCH
CR-122	100+22.4	39.8' RT	272338.21	860022.70	815.59
CR-123	100+33.1	39.2' RT	272338.96	860033.33	815.82
CR-124	100+28.5	38.9' RT	272339.12	860028.74	815.75

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-125	100+42.5	29.5' RT	272348.80	860042.64	815.65
CR-126	100+49.4	17.5' RT	272360.89	860049.34	815.28
CR-127	100+49.4	20.0' RT	272358.39	860049.38	815.72
CR-128	100+25.9	27.3' RT	272350.74	860025.97	815.46
CR-129	100+29.6	22.9' RT	272355.13	860029.62	815.41
CR-130	100+22.7	35.7' RT	272342.23	860022.88	815.55
CR-131	100+37.5	18.5' RT	272359.72	860037.44	815.39
CR-132	100+25.2	36.1' RT	272341.88	860025.43	815.994

CR-1



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-225	100+25.4	27.3' LT	272405.27	860024.59	815.35
CR-226	100+33.2	49.3' LT	272427.43	860032.07	815.73
CR-227	100+33.5	30.8' LT	272408.94	860032.62	815.84
CR-228	100+51.0	30.3' LT	272408.66	860050.17	815.56
CR-229	100+21.6	38.3' LT	272416.26	860020.63	815.42
CR-230	100+21.9	35.6' LT	272413.57	860020.99	815.40
CR-231	100+37.2	18.8' LT	272396.99	860036.59	815.34
CR-232	100+50.9	18.0' LT	272396.41	860050.23	815.32

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-200	100+47.2	24.8' LT	272403.10	860046.45	815.46
CR-201	100+41.7	24.7' LT	272403.01	860040.92	815.43
CR-202	100+31.0	25.1' LT	272403.20	860030.21	815.29
CR-203	100+27.6	28.8' LT	272406.84	860026.78	815.33
CR-204	100+24.1	39.9' LT	272417.91	860023.07	815.74
CR-205	100+24.0	49.4' LT	272427.34	860022.88	MATCH
CR-206	100+28.4	49.3' LT	272427.38	860027.23	815.72
CR-207	100+32.8	43.7' LT	272421.83	860031.74	815.63
CR-208	100+32.7	49.3' LT	272427.41	860031.57	815.73
CR-209	100+33.0	30.3' LT	272408.45	860032.13	815.42
CR-210	100+36.6	30.2' LT	272408.39	860035.72	815.41
CR-211	100+32.9	33.7' LT	272411.80	860032.03	815.43
CR-212	100+47.2	29.9' LT	272408.22	860046.38	815.54
CR-213	100+51.0	29.8' LT	272408.16	860050.18	815.56
CR-214	100+50.9	24.8' LT	272403.16	860050.18	815.48
CR-215	100+21.6	39.9' LT	272417.87	860020.57	815.38
CR-216	100+24.5	36.1' LT	272414.07	860023.52	815.86
CR-217	100+28.2	43.9' LT	272421.93	860027.11	815.56
CR-218	100+28.0	39.3' LT	272417.37	860027.01	815.47
CR-219	100+32.9	39.4' LT	272417.51	860031.87	815.54
CR-220	100+29.1	30.1' LT	272408.21	860028.24	815.35
CR-221	100+32.4	26.5' LT	272404.57	860031.67	815.33
CR-222	100+38.0	21.3' LT	272399.53	860037.26	815.74
CR-223	100+41.8	30.0' LT	272408.31	860041.00	815.51
CR-224	100+29.2	23.0' LT	272401.10	860028.51	815.32

CR-2

2

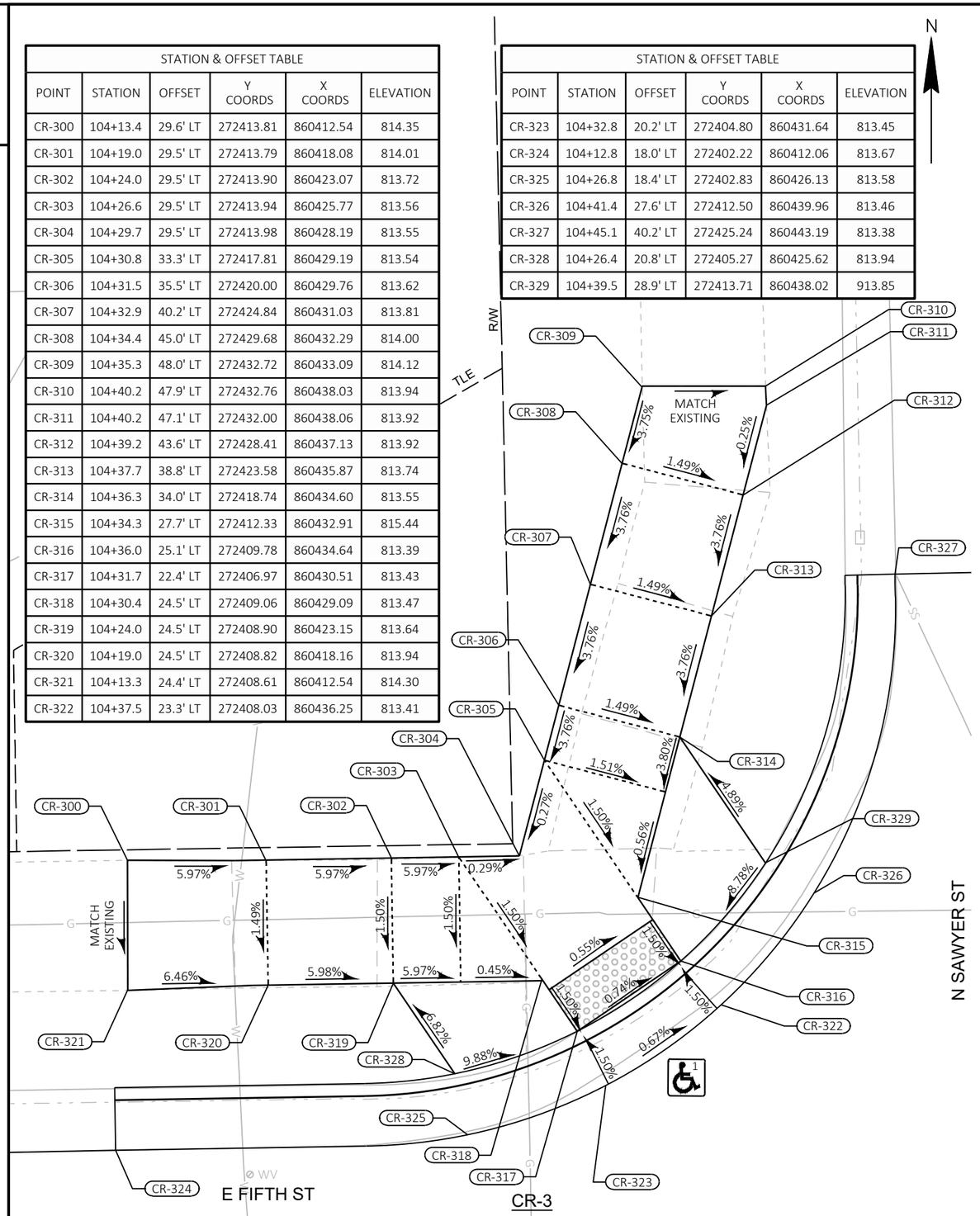
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 15	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021302_cr
PLOT DATE : 7/18/2023 12:19 PM
PLOT BY : CARPENTER, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

2

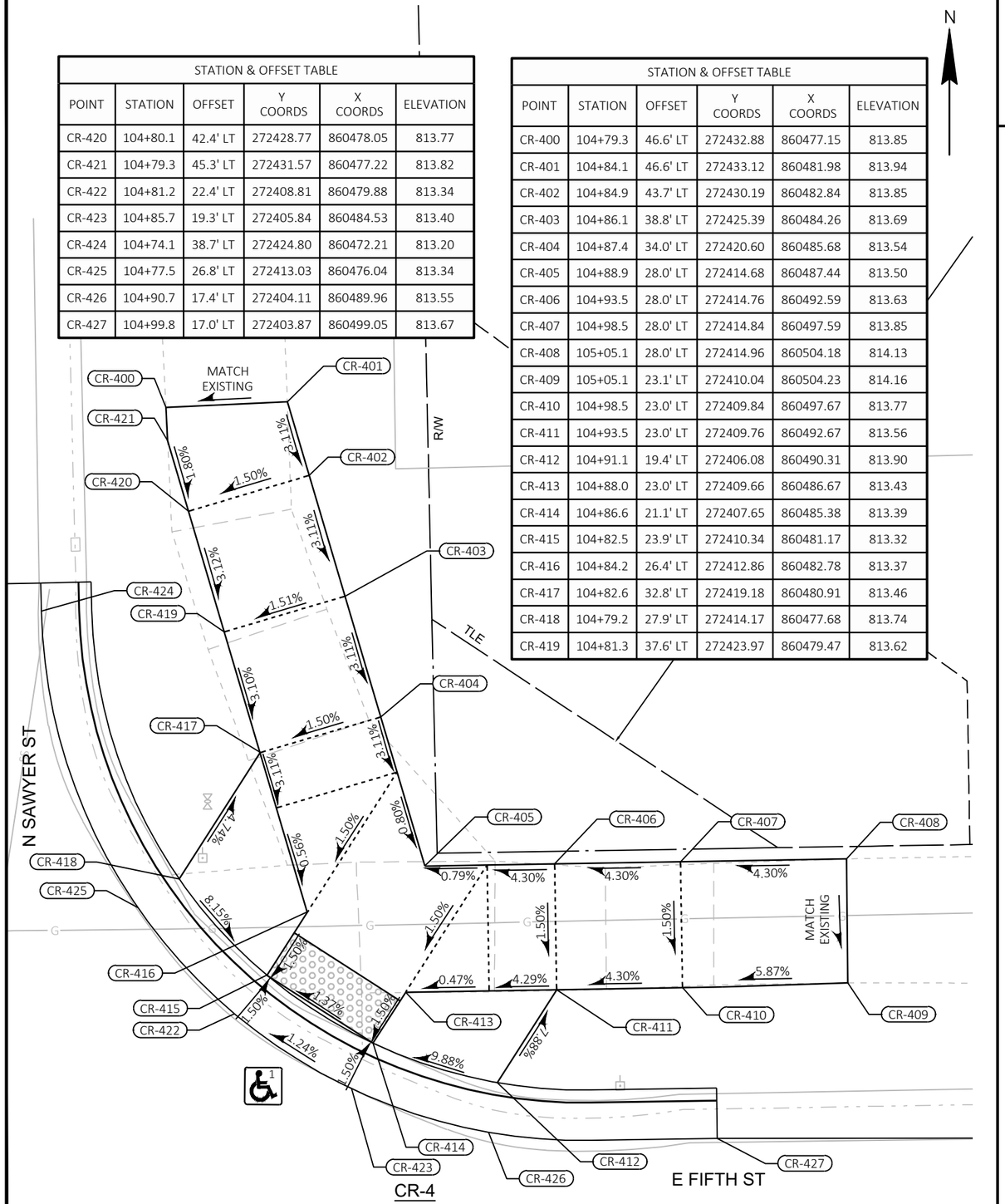
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-300	104+13.4	29.6' LT	272413.81	860412.54	814.35
CR-301	104+19.0	29.5' LT	272413.79	860418.08	814.01
CR-302	104+24.0	29.5' LT	272413.90	860423.07	813.72
CR-303	104+26.6	29.5' LT	272413.94	860425.77	813.56
CR-304	104+29.7	29.5' LT	272413.98	860428.19	813.55
CR-305	104+30.8	33.3' LT	272417.81	860429.19	813.54
CR-306	104+31.5	35.5' LT	272420.00	860429.76	813.62
CR-307	104+32.9	40.2' LT	272424.84	860431.03	813.81
CR-308	104+34.4	45.0' LT	272429.68	860432.29	814.00
CR-309	104+35.3	48.0' LT	272432.72	860433.09	814.12
CR-310	104+40.2	47.9' LT	272432.76	860438.03	813.94
CR-311	104+40.2	47.1' LT	272432.00	860438.06	813.92
CR-312	104+39.2	43.6' LT	272428.41	860437.13	813.92
CR-313	104+37.7	38.8' LT	272423.58	860435.87	813.74
CR-314	104+36.3	34.0' LT	272418.74	860434.60	813.55
CR-315	104+34.3	27.7' LT	272412.33	860432.91	815.44
CR-316	104+36.0	25.1' LT	272409.78	860434.64	813.39
CR-317	104+31.7	22.4' LT	272406.97	860430.51	813.43
CR-318	104+30.4	24.5' LT	272409.06	860429.09	813.47
CR-319	104+24.0	24.5' LT	272408.90	860423.15	813.64
CR-320	104+19.0	24.5' LT	272408.82	860418.16	813.94
CR-321	104+13.3	24.4' LT	272408.61	860412.54	814.30
CR-322	104+37.5	23.3' LT	272408.03	860436.25	813.41

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-323	104+32.8	20.2' LT	272404.80	860431.64	813.45
CR-324	104+12.8	18.0' LT	272402.22	860412.06	813.67
CR-325	104+26.8	18.4' LT	272402.83	860426.13	813.58
CR-326	104+41.4	27.6' LT	272412.50	860439.96	813.46
CR-327	104+45.1	40.2' LT	272425.24	860443.19	813.38
CR-328	104+26.4	20.8' LT	272405.27	860425.62	813.94
CR-329	104+39.5	28.9' LT	272413.71	860438.02	913.85

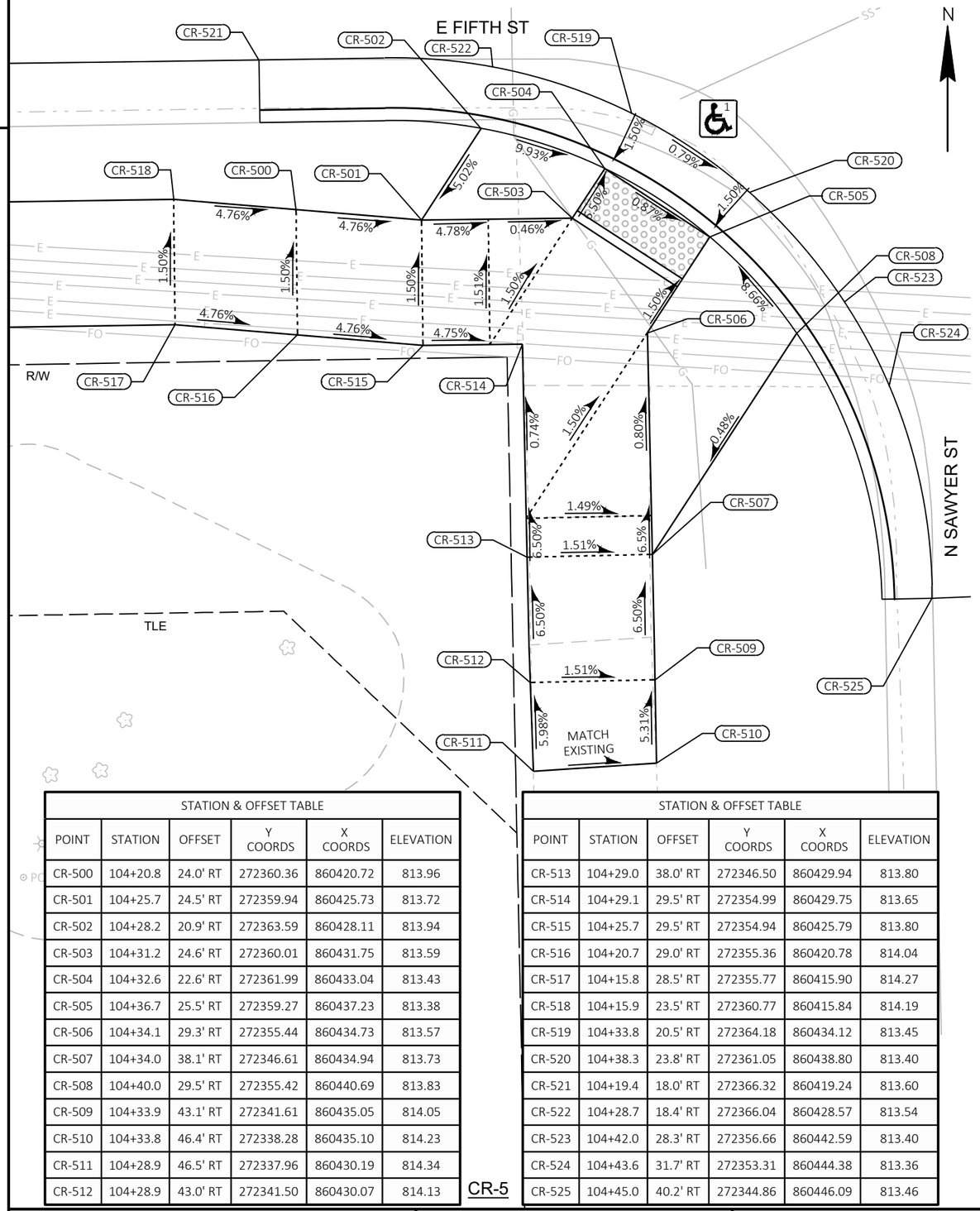


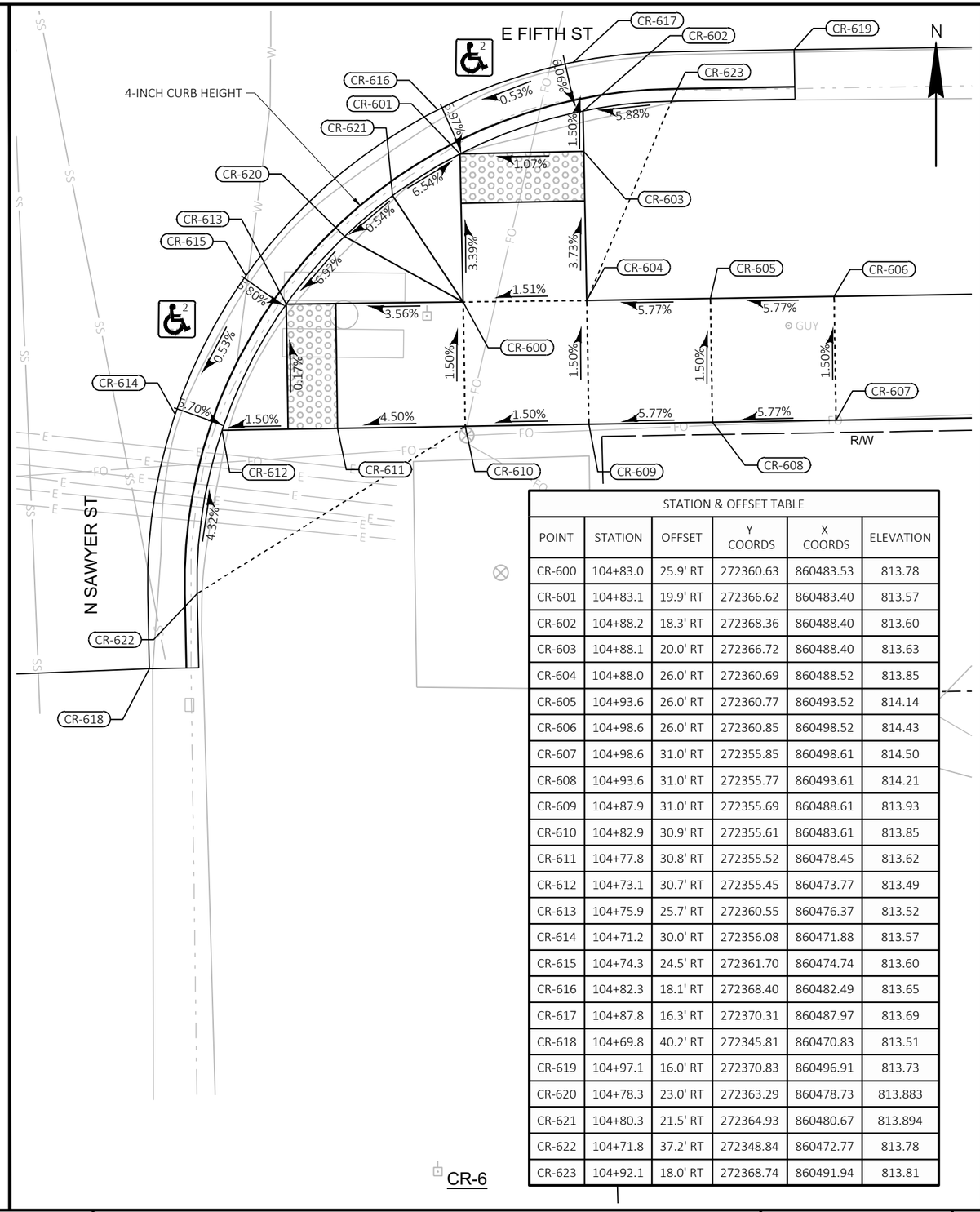
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-420	104+80.1	42.4' LT	272428.77	860478.05	813.77
CR-421	104+79.3	45.3' LT	272431.57	860477.22	813.82
CR-422	104+81.2	22.4' LT	272408.81	860479.88	813.34
CR-423	104+85.7	19.3' LT	272405.84	860484.53	813.40
CR-424	104+74.1	38.7' LT	272424.80	860472.21	813.20
CR-425	104+77.5	26.8' LT	272413.03	860476.04	813.34
CR-426	104+90.7	17.4' LT	272404.11	860489.96	813.55
CR-427	104+99.8	17.0' LT	272403.87	860499.05	813.67

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-400	104+79.3	46.6' LT	272432.88	860477.15	813.85
CR-401	104+84.1	46.6' LT	272433.12	860481.98	813.94
CR-402	104+84.9	43.7' LT	272430.19	860482.84	813.85
CR-403	104+86.1	38.8' LT	272425.39	860484.26	813.69
CR-404	104+87.4	34.0' LT	272420.60	860485.68	813.54
CR-405	104+88.9	28.0' LT	272414.68	860487.44	813.50
CR-406	104+93.5	28.0' LT	272414.76	860492.59	813.63
CR-407	104+98.5	28.0' LT	272414.84	860497.59	813.85
CR-408	105+05.1	28.0' LT	272414.96	860504.18	814.13
CR-409	105+05.1	23.1' LT	272410.04	860504.23	814.16
CR-410	104+98.5	23.0' LT	272409.84	860497.67	813.77
CR-411	104+93.5	23.0' LT	272409.76	860492.67	813.56
CR-412	104+91.1	19.4' LT	272406.08	860490.31	813.90
CR-413	104+88.0	23.0' LT	272409.66	860486.67	813.43
CR-414	104+86.6	21.1' LT	272407.65	860485.38	813.39
CR-415	104+82.5	23.9' LT	272410.34	860481.17	813.32
CR-416	104+84.2	26.4' LT	272412.86	860482.78	813.37
CR-417	104+82.6	32.8' LT	272419.18	860480.91	813.46
CR-418	104+79.2	27.9' LT	272414.17	860477.68	813.74
CR-419	104+81.3	37.6' LT	272423.97	860479.47	813.62



PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 16 E





STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-500	104+20.8	24.0' RT	272360.36	860420.72	813.96
CR-501	104+25.7	24.5' RT	272359.94	860425.73	813.72
CR-502	104+28.2	20.9' RT	272363.59	860428.11	813.94
CR-503	104+31.2	24.6' RT	272360.01	860431.75	813.59
CR-504	104+32.6	22.6' RT	272361.99	860433.04	813.43
CR-505	104+36.7	25.5' RT	272359.27	860437.23	813.38
CR-506	104+34.1	29.3' RT	272355.44	860434.73	813.57
CR-507	104+34.0	38.1' RT	272346.61	860434.94	813.73
CR-508	104+40.0	29.5' RT	272355.42	860440.69	813.83
CR-509	104+33.9	43.1' RT	272341.61	860435.05	814.05
CR-510	104+33.8	46.4' RT	272338.28	860435.10	814.23
CR-511	104+28.9	46.5' RT	272337.96	860430.19	814.34
CR-512	104+28.9	43.0' RT	272341.50	860430.07	814.13

CR-5

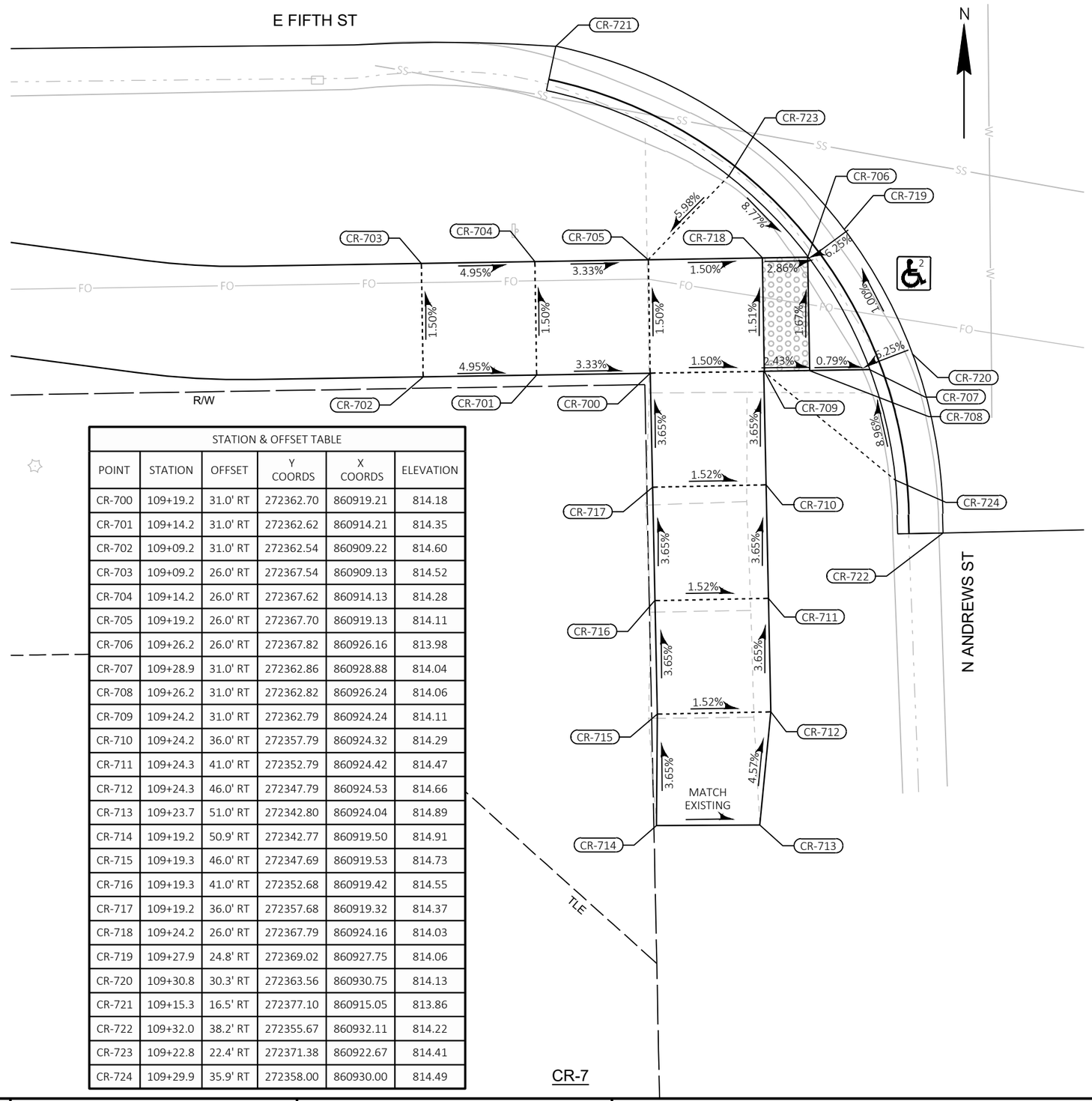
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-513	104+29.0	38.0' RT	272346.50	860429.94	813.80
CR-514	104+29.1	29.5' RT	272354.99	860429.75	813.65
CR-515	104+25.7	29.5' RT	272354.94	860425.79	813.80
CR-516	104+20.7	29.0' RT	272355.36	860420.78	814.04
CR-517	104+15.8	28.5' RT	272355.77	860415.90	814.27
CR-518	104+15.9	23.5' RT	272360.77	860415.84	814.19
CR-519	104+33.8	20.5' RT	272364.18	860434.12	813.45
CR-520	104+38.3	23.8' RT	272361.05	860438.80	813.40
CR-521	104+19.4	18.0' RT	272366.32	860419.24	813.60
CR-522	104+28.7	18.4' RT	272366.04	860428.57	813.54
CR-523	104+42.0	28.3' RT	272356.66	860442.59	813.40
CR-524	104+43.6	31.7' RT	272353.31	860444.38	813.36
CR-525	104+45.0	40.2' RT	272344.86	860446.09	813.46

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-600	104+83.0	25.9' RT	272360.63	860483.53	813.78
CR-601	104+83.1	19.9' RT	272366.62	860483.40	813.57
CR-602	104+88.2	18.3' RT	272368.36	860488.40	813.60
CR-603	104+88.1	20.0' RT	272366.72	860488.40	813.63
CR-604	104+88.0	26.0' RT	272360.69	860488.52	813.85
CR-605	104+93.6	26.0' RT	272360.77	860493.52	814.14
CR-606	104+98.6	26.0' RT	272360.85	860498.52	814.43
CR-607	104+98.6	31.0' RT	272355.85	860498.61	814.50
CR-608	104+93.6	31.0' RT	272355.77	860493.61	814.21
CR-609	104+87.9	31.0' RT	272355.69	860488.61	813.93
CR-610	104+82.9	30.9' RT	272355.61	860483.61	813.85
CR-611	104+77.8	30.8' RT	272355.52	860478.45	813.62
CR-612	104+73.1	30.7' RT	272355.45	860473.77	813.49
CR-613	104+75.9	25.7' RT	272360.55	860476.37	813.52
CR-614	104+71.2	30.0' RT	272356.08	860471.88	813.57
CR-615	104+74.3	24.5' RT	272361.70	860474.74	813.60
CR-616	104+82.3	18.1' RT	272368.40	860482.49	813.65
CR-617	104+87.8	16.3' RT	272370.31	860487.97	813.69
CR-618	104+69.8	40.2' RT	272345.81	860470.83	813.51
CR-619	104+97.1	16.0' RT	272370.83	860496.91	813.73
CR-620	104+78.3	23.0' RT	272363.29	860478.73	813.883
CR-621	104+80.3	21.5' RT	272364.93	860480.67	813.894
CR-622	104+71.8	37.2' RT	272348.84	860472.77	813.78
CR-623	104+92.1	18.0' RT	272368.74	860491.94	813.81

CR-6

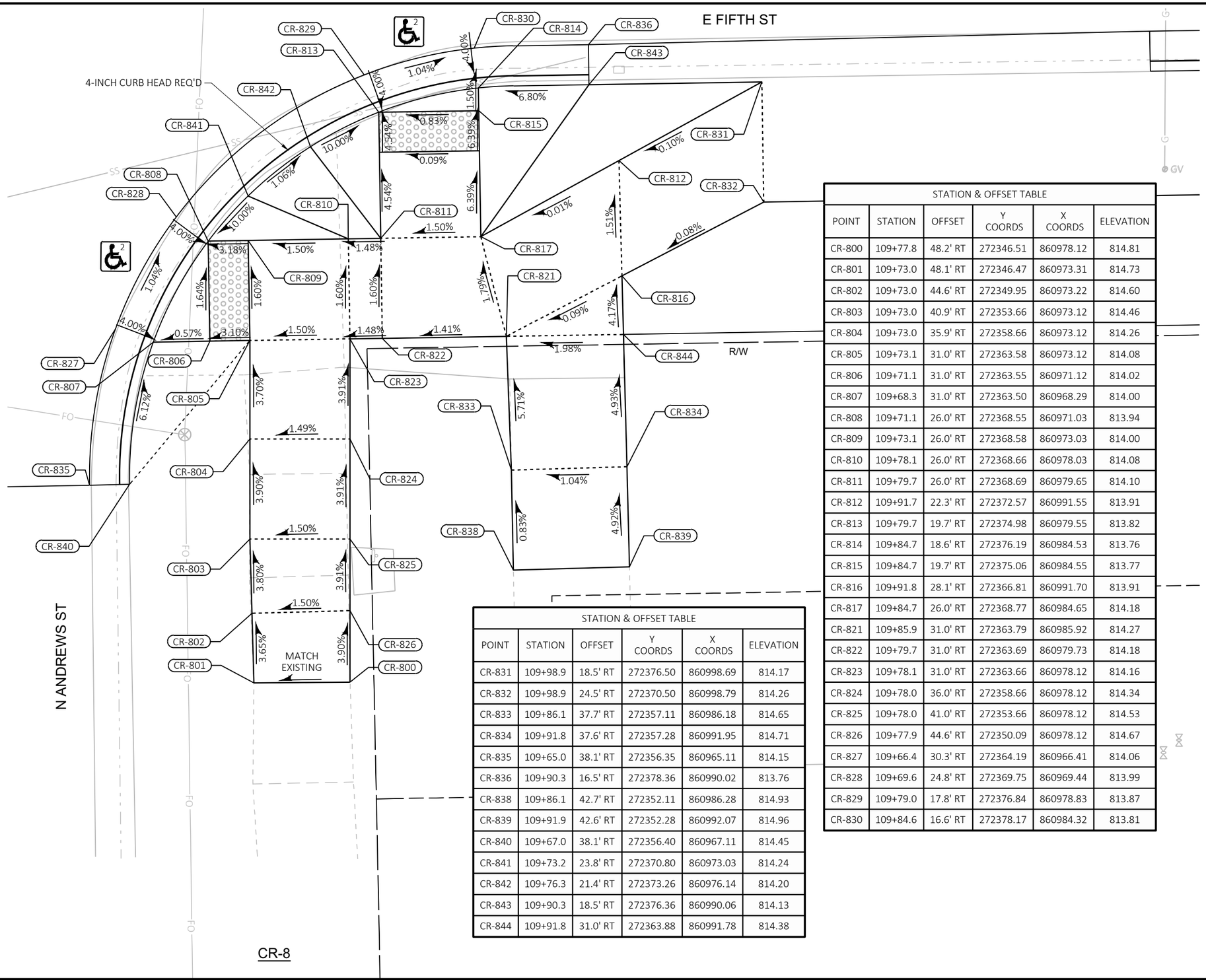
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 17	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021304_cr
PLOT DATE : 11/17/2023 8:19 AM PLOT BY : STANIOCH, DREW PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-700	109+19.2	31.0' RT	272362.70	860919.21	814.18
CR-701	109+14.2	31.0' RT	272362.62	860914.21	814.35
CR-702	109+09.2	31.0' RT	272362.54	860909.22	814.60
CR-703	109+09.2	26.0' RT	272367.54	860909.13	814.52
CR-704	109+14.2	26.0' RT	272367.62	860914.13	814.28
CR-705	109+19.2	26.0' RT	272367.70	860919.13	814.11
CR-706	109+26.2	26.0' RT	272367.82	860926.16	813.98
CR-707	109+28.9	31.0' RT	272362.86	860928.88	814.04
CR-708	109+26.2	31.0' RT	272362.82	860926.24	814.06
CR-709	109+24.2	31.0' RT	272362.79	860924.24	814.11
CR-710	109+24.2	36.0' RT	272357.79	860924.32	814.29
CR-711	109+24.3	41.0' RT	272352.79	860924.42	814.47
CR-712	109+24.3	46.0' RT	272347.79	860924.53	814.66
CR-713	109+23.7	51.0' RT	272342.80	860924.04	814.89
CR-714	109+19.2	50.9' RT	272342.77	860919.50	814.91
CR-715	109+19.3	46.0' RT	272347.69	860919.53	814.73
CR-716	109+19.3	41.0' RT	272352.68	860919.42	814.55
CR-717	109+19.2	36.0' RT	272357.68	860919.32	814.37
CR-718	109+24.2	26.0' RT	272367.79	860924.16	814.03
CR-719	109+27.9	24.8' RT	272369.02	860927.75	814.06
CR-720	109+30.8	30.3' RT	272363.56	860930.75	814.13
CR-721	109+15.3	16.5' RT	272377.10	860915.05	813.86
CR-722	109+32.0	38.2' RT	272355.67	860932.11	814.22
CR-723	109+22.8	22.4' RT	272371.38	860922.67	814.41
CR-724	109+29.9	35.9' RT	272358.00	860930.00	814.49

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 18	E



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-800	109+77.8	48.2' RT	272346.51	860978.12	814.81
CR-801	109+73.0	48.1' RT	272346.47	860973.31	814.73
CR-802	109+73.0	44.6' RT	272349.95	860973.22	814.60
CR-803	109+73.0	40.9' RT	272353.66	860973.12	814.46
CR-804	109+73.0	35.9' RT	272358.66	860973.12	814.26
CR-805	109+73.1	31.0' RT	272363.58	860973.12	814.08
CR-806	109+71.1	31.0' RT	272363.55	860971.12	814.02
CR-807	109+68.3	31.0' RT	272363.50	860968.29	814.00
CR-808	109+71.1	26.0' RT	272368.55	860971.03	813.94
CR-809	109+73.1	26.0' RT	272368.58	860973.03	814.00
CR-810	109+78.1	26.0' RT	272368.66	860978.03	814.08
CR-811	109+79.7	26.0' RT	272368.69	860979.65	814.10
CR-812	109+91.7	22.3' RT	272372.57	860991.55	813.91
CR-813	109+79.7	19.7' RT	272374.98	860979.55	813.82
CR-814	109+84.7	18.6' RT	272376.19	860984.53	813.76
CR-815	109+84.7	19.7' RT	272375.06	860984.55	813.77
CR-816	109+91.8	28.1' RT	272366.81	860991.70	813.91
CR-817	109+84.7	26.0' RT	272368.77	860984.65	814.18
CR-821	109+85.9	31.0' RT	272363.79	860985.92	814.27
CR-822	109+79.7	31.0' RT	272363.69	860979.73	814.18
CR-823	109+78.1	31.0' RT	272363.66	860978.12	814.16
CR-824	109+78.0	36.0' RT	272358.66	860978.12	814.34
CR-825	109+78.0	41.0' RT	272353.66	860978.12	814.53
CR-826	109+77.9	44.6' RT	272350.09	860978.12	814.67
CR-827	109+66.4	30.3' RT	272364.19	860966.41	814.06
CR-828	109+69.6	24.8' RT	272369.75	860969.44	813.99
CR-829	109+79.0	17.8' RT	272376.84	860978.83	813.87
CR-830	109+84.6	16.6' RT	272378.17	860984.32	813.81

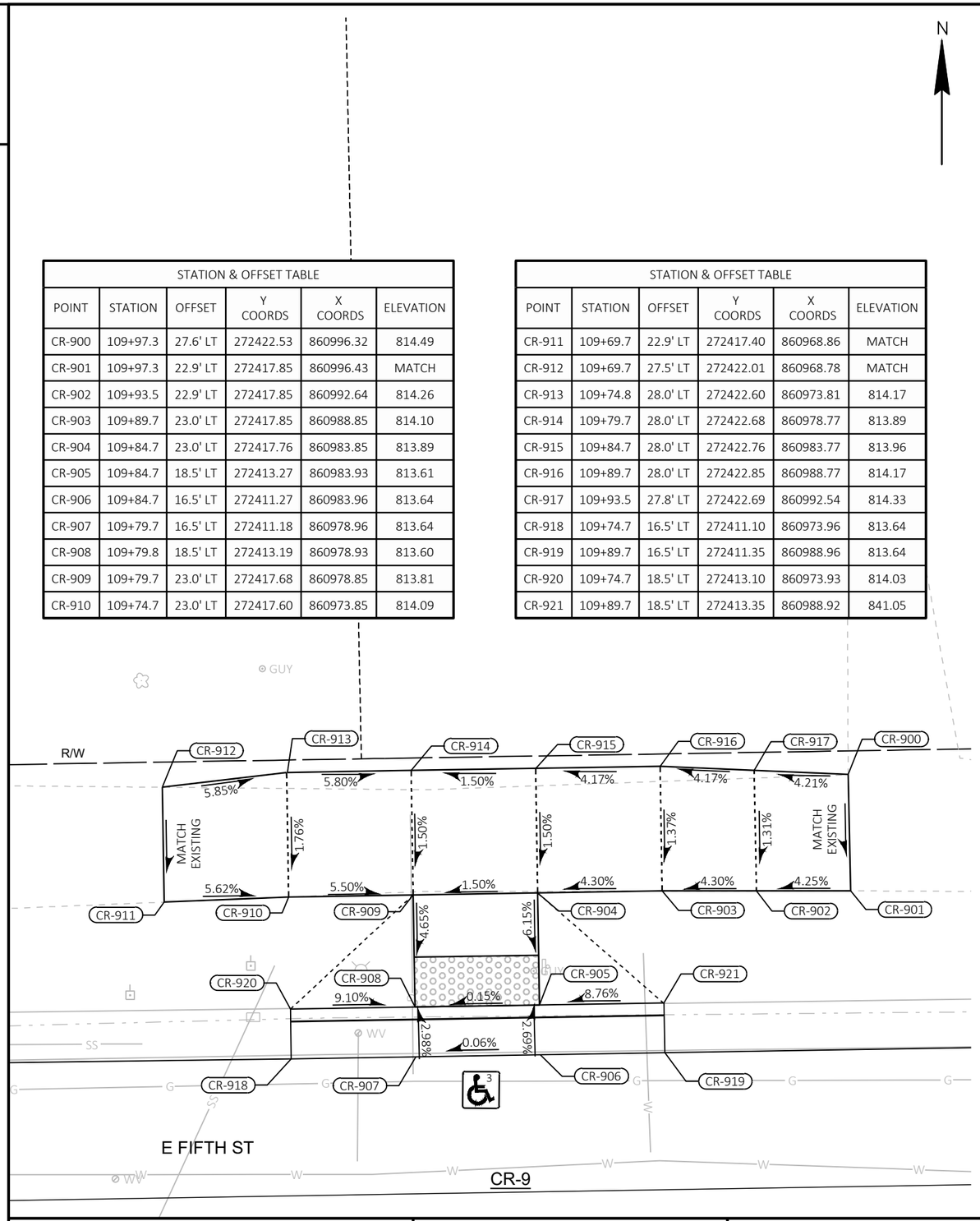
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-831	109+98.9	18.5' RT	272376.50	860998.69	814.17
CR-832	109+98.9	24.5' RT	272370.50	860998.79	814.26
CR-833	109+86.1	37.7' RT	272357.11	860986.18	814.65
CR-834	109+91.8	37.6' RT	272357.28	860991.95	814.71
CR-835	109+65.0	38.1' RT	272356.35	860965.11	814.15
CR-836	109+90.3	16.5' RT	272378.36	860990.02	813.76
CR-838	109+86.1	42.7' RT	272352.11	860986.28	814.93
CR-839	109+91.9	42.6' RT	272352.28	860992.07	814.96
CR-840	109+67.0	38.1' RT	272356.40	860967.11	814.45
CR-841	109+73.2	23.8' RT	272370.80	860973.03	814.24
CR-842	109+76.3	21.4' RT	272373.26	860976.14	814.20
CR-843	109+90.3	18.5' RT	272376.36	860990.06	814.13
CR-844	109+91.8	31.0' RT	272363.88	860991.78	814.38

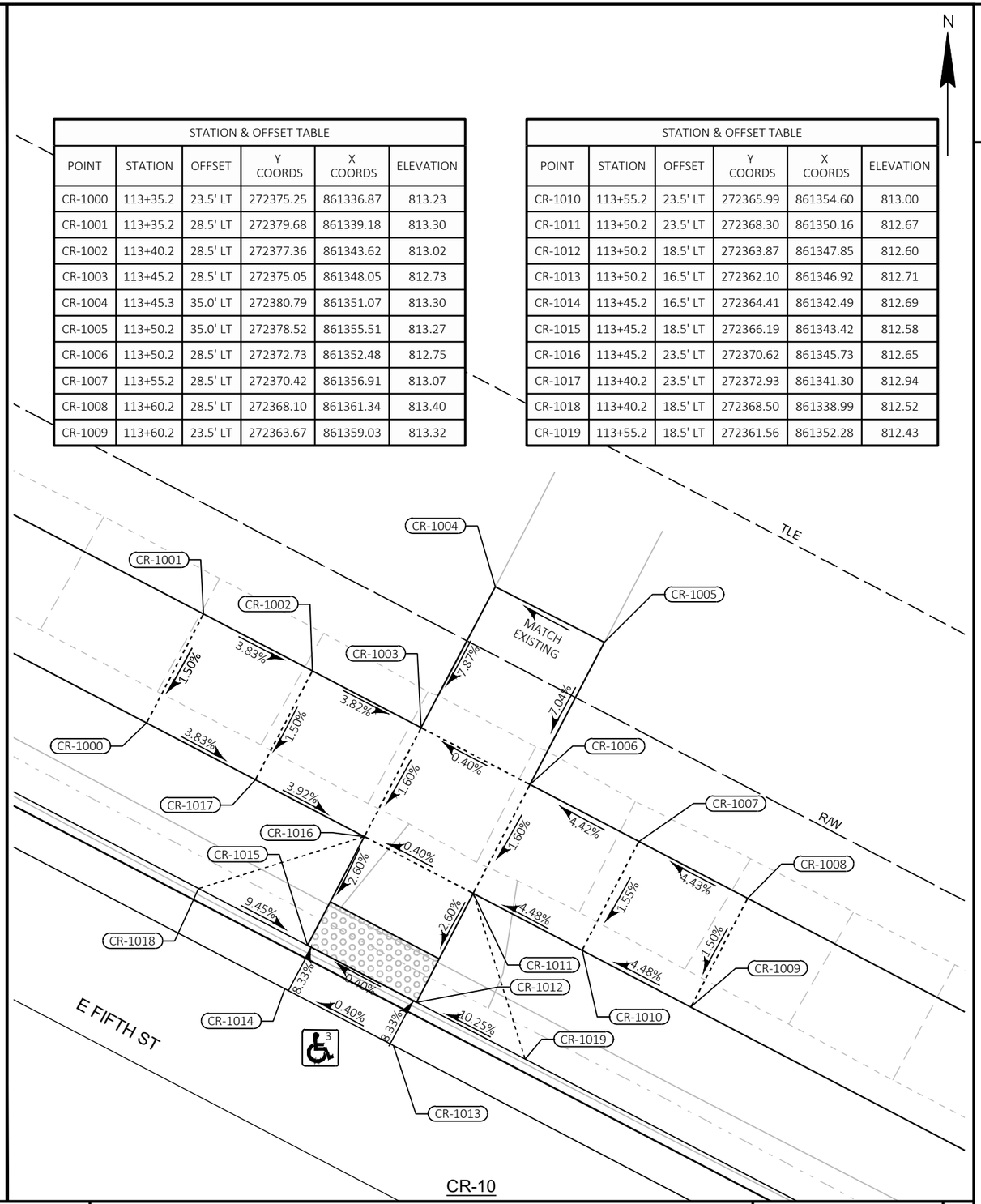
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 19	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021306_cr
PLOT DATE : 11/17/2023 8:19 AM PLOT BY : STANIOCH, DREW PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-900	109+97.3	27.6' LT	272422.53	860996.32	814.49
CR-901	109+97.3	22.9' LT	272417.85	860996.43	MATCH
CR-902	109+93.5	22.9' LT	272417.85	860992.64	814.26
CR-903	109+89.7	23.0' LT	272417.85	860988.85	814.10
CR-904	109+84.7	23.0' LT	272417.76	860983.85	813.89
CR-905	109+84.7	18.5' LT	272413.27	860983.93	813.61
CR-906	109+84.7	16.5' LT	272411.27	860983.96	813.64
CR-907	109+79.7	16.5' LT	272411.18	860978.96	813.64
CR-908	109+79.8	18.5' LT	272413.19	860978.93	813.60
CR-909	109+79.7	23.0' LT	272417.68	860978.85	813.81
CR-910	109+74.7	23.0' LT	272417.60	860973.85	814.09

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-911	109+69.7	22.9' LT	272417.40	860968.86	MATCH
CR-912	109+69.7	27.5' LT	272422.01	860968.78	MATCH
CR-913	109+74.8	28.0' LT	272422.60	860973.81	814.17
CR-914	109+79.7	28.0' LT	272422.68	860978.77	813.89
CR-915	109+84.7	28.0' LT	272422.76	860983.77	813.96
CR-916	109+89.7	28.0' LT	272422.85	860988.77	814.17
CR-917	109+93.5	27.8' LT	272422.69	860992.54	814.33
CR-918	109+74.7	16.5' LT	272411.10	860973.96	813.64
CR-919	109+89.7	16.5' LT	272411.35	860988.96	813.64
CR-920	109+74.7	18.5' LT	272413.10	860973.93	814.03
CR-921	109+89.7	18.5' LT	272413.35	860988.92	841.05





STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1000	113+35.2	23.5' LT	272375.25	861336.87	813.23
CR-1001	113+35.2	28.5' LT	272379.68	861339.18	813.30
CR-1002	113+40.2	28.5' LT	272377.36	861343.62	813.02
CR-1003	113+45.2	28.5' LT	272375.05	861348.05	812.73
CR-1004	113+45.3	35.0' LT	272380.79	861351.07	813.30
CR-1005	113+50.2	35.0' LT	272378.52	861355.51	813.27
CR-1006	113+50.2	28.5' LT	272372.73	861352.48	812.75
CR-1007	113+55.2	28.5' LT	272370.42	861356.91	813.07
CR-1008	113+60.2	28.5' LT	272368.10	861361.34	813.40
CR-1009	113+60.2	23.5' LT	272363.67	861359.03	813.32

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1010	113+55.2	23.5' LT	272365.99	861354.60	813.00
CR-1011	113+50.2	23.5' LT	272368.30	861350.16	812.67
CR-1012	113+50.2	18.5' LT	272363.87	861347.85	812.60
CR-1013	113+50.2	16.5' LT	272362.10	861346.92	812.71
CR-1014	113+45.2	16.5' LT	272364.41	861342.49	812.69
CR-1015	113+45.2	18.5' LT	272366.19	861343.42	812.58
CR-1016	113+45.2	23.5' LT	272370.62	861345.73	812.65
CR-1017	113+40.2	23.5' LT	272372.93	861341.30	812.94
CR-1018	113+40.2	18.5' LT	272368.50	861338.99	812.52
CR-1019	113+55.2	18.5' LT	272361.56	861352.28	812.43

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 20	E

2

2

N

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1100	114+06.3	23.5' LT	272342.33	861399.89	813.47
CR-1101	114+06.3	28.5' LT	272346.76	861402.20	813.55
CR-1102	114+11.3	28.5' LT	272344.45	861406.63	813.36
CR-1103	114+16.3	28.5' LT	272342.13	861411.07	813.17
CR-1104	114+21.3	28.5' LT	272339.82	861415.50	813.10
CR-1105	114+28.8	28.5' LT	272336.55	861421.78	813.15
CR-1106	114+28.8	23.5' LT	272332.09	861419.52	813.07
CR-1107	114+21.3	23.5' LT	272335.40	861413.19	813.02
CR-1108	114+21.3	18.5' LT	272330.95	861410.87	812.76
CR-1109	114+21.3	16.5' LT	272329.18	861409.94	812.88
CR-1110	114+16.3	16.5' LT	272331.50	861405.51	812.90
CR-1111	114+16.3	18.5' LT	272333.27	861406.44	812.78
CR-1112	114+16.3	23.5' LT	272337.70	861408.75	813.10
CR-1113	114+11.3	23.5' LT	272340.02	861404.32	813.29
CR-1114	114+24.2	28.5' LT	272338.51	861418.01	813.04
CR-1115	114+11.3	18.5' LT	272335.58	861402.00	812.57
CR-1116	114+24.3	18.5' LT	272329.56	861413.53	812.61

TLE

RW

E FIFTH ST

CR-1100

CR-1101

CR-1102

CR-1103

CR-1104

CR-1105

CR-1106

CR-1107

CR-1108

CR-1109

CR-1110

CR-1111

CR-1112

CR-1113

CR-1114

CR-1115

CR-1116

5.67%

1.50%

0.31%

2.49%

2.47%

2.60%

10.00%

8.33%

6.10%

114+00

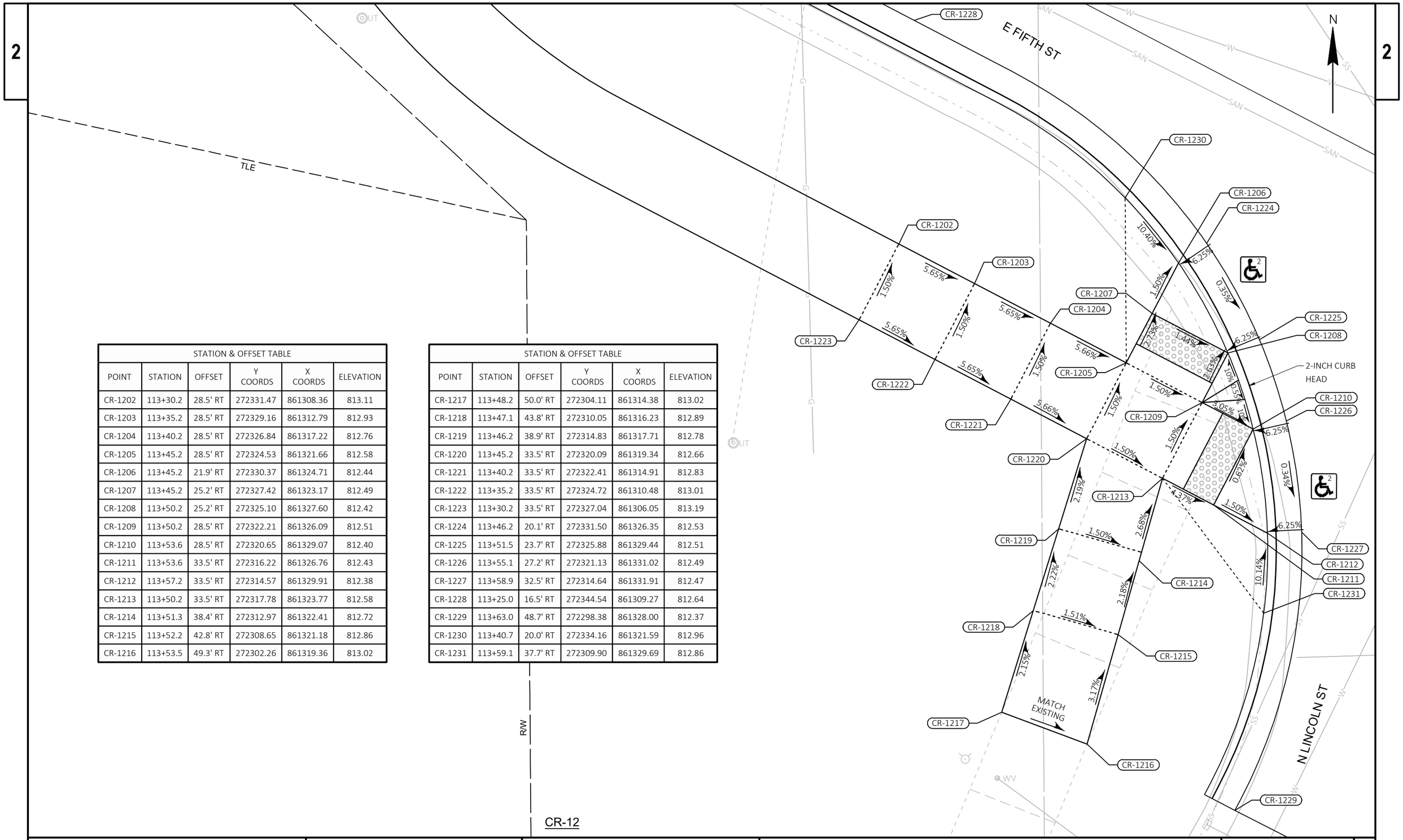
CR-11

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 21	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021308_cr

PLOT DATE : 7/18/2023 12:19 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:5 FT

WISDOT/CADDS SHEET 42

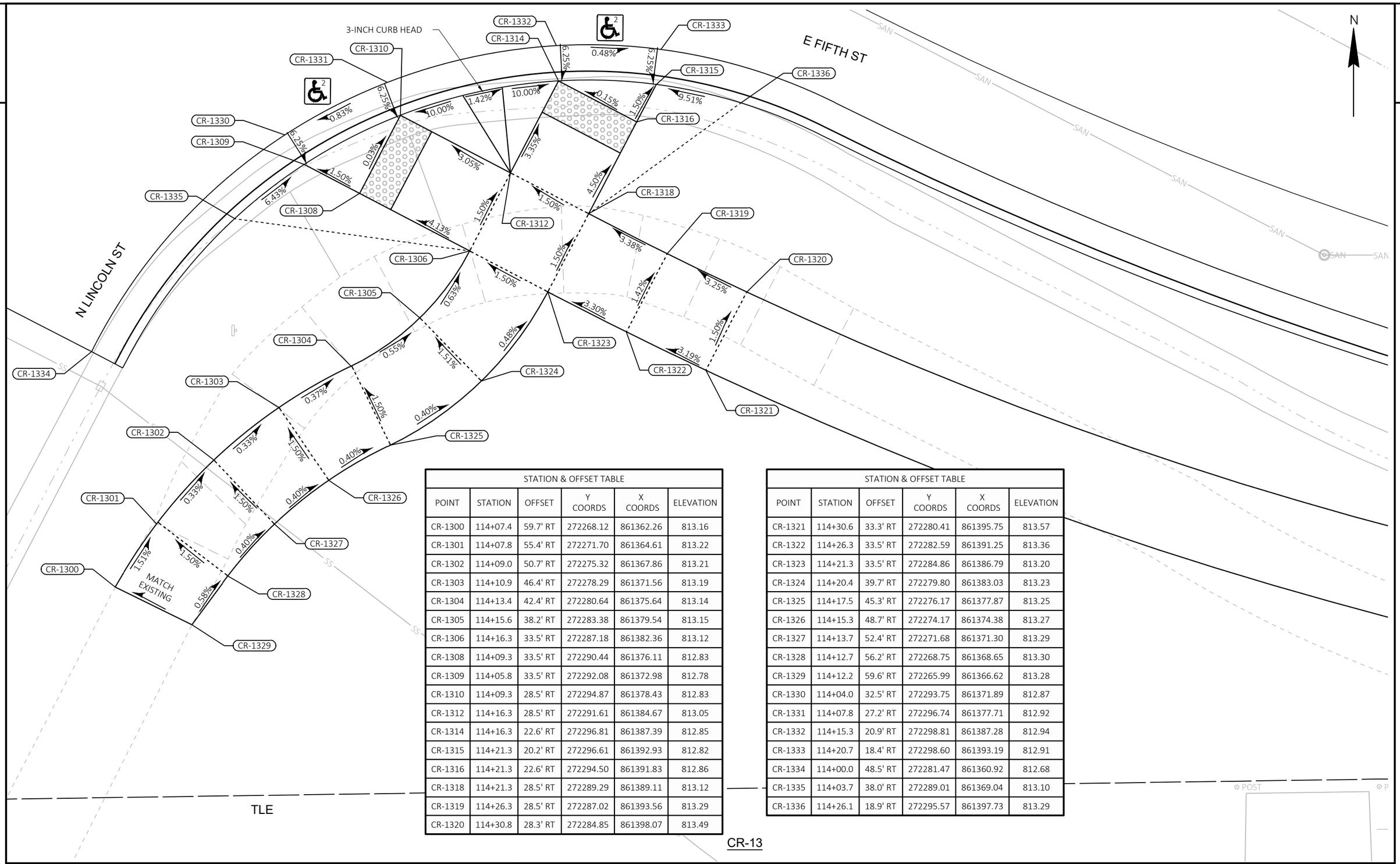


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1202	113+30.2	28.5' RT	272331.47	861308.36	813.11
CR-1203	113+35.2	28.5' RT	272329.16	861312.79	812.93
CR-1204	113+40.2	28.5' RT	272326.84	861317.22	812.76
CR-1205	113+45.2	28.5' RT	272324.53	861321.66	812.58
CR-1206	113+45.2	21.9' RT	272330.37	861324.71	812.44
CR-1207	113+45.2	25.2' RT	272327.42	861323.17	812.49
CR-1208	113+50.2	25.2' RT	272325.10	861327.60	812.42
CR-1209	113+50.2	28.5' RT	272322.21	861326.09	812.51
CR-1210	113+53.6	28.5' RT	272320.65	861329.07	812.40
CR-1211	113+53.6	33.5' RT	272316.22	861326.76	812.43
CR-1212	113+57.2	33.5' RT	272314.57	861329.91	812.38
CR-1213	113+50.2	33.5' RT	272317.78	861323.77	812.58
CR-1214	113+51.3	38.4' RT	272312.97	861322.41	812.72
CR-1215	113+52.2	42.8' RT	272308.65	861321.18	812.86
CR-1216	113+53.5	49.3' RT	272302.26	861319.36	813.02

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1217	113+48.2	50.0' RT	272304.11	861314.38	813.02
CR-1218	113+47.1	43.8' RT	272310.05	861316.23	812.89
CR-1219	113+46.2	38.9' RT	272314.83	861317.71	812.78
CR-1220	113+45.2	33.5' RT	272320.09	861319.34	812.66
CR-1221	113+40.2	33.5' RT	272322.41	861314.91	812.83
CR-1222	113+35.2	33.5' RT	272324.72	861310.48	813.01
CR-1223	113+30.2	33.5' RT	272327.04	861306.05	813.19
CR-1224	113+46.2	20.1' RT	272331.50	861326.35	812.53
CR-1225	113+51.5	23.7' RT	272325.88	861329.44	812.51
CR-1226	113+55.1	27.2' RT	272321.13	861331.02	812.49
CR-1227	113+58.9	32.5' RT	272314.64	861331.91	812.47
CR-1228	113+25.0	16.5' RT	272344.54	861309.27	812.64
CR-1229	113+63.0	48.7' RT	272298.38	861328.00	812.37
CR-1230	113+40.7	20.0' RT	272334.16	861321.59	812.96
CR-1231	113+59.1	37.7' RT	272309.90	861329.69	812.86

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 22	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021309_cr
PLOT DATE : 7/18/2023 12:19 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1300	114+07.4	59.7' RT	272268.12	861362.26	813.16
CR-1301	114+07.8	55.4' RT	272271.70	861364.61	813.22
CR-1302	114+09.0	50.7' RT	272275.32	861367.86	813.21
CR-1303	114+10.9	46.4' RT	272278.29	861371.56	813.19
CR-1304	114+13.4	42.4' RT	272280.64	861375.64	813.14
CR-1305	114+15.6	38.2' RT	272283.38	861379.54	813.15
CR-1306	114+16.3	33.5' RT	272287.18	861382.36	813.12
CR-1308	114+09.3	33.5' RT	272290.44	861376.11	812.83
CR-1309	114+05.8	33.5' RT	272292.08	861372.98	812.78
CR-1310	114+09.3	28.5' RT	272294.87	861378.43	812.83
CR-1312	114+16.3	28.5' RT	272291.61	861384.67	813.05
CR-1314	114+16.3	22.6' RT	272296.81	861387.39	812.85
CR-1315	114+21.3	20.2' RT	272296.61	861392.93	812.82
CR-1316	114+21.3	22.6' RT	272294.50	861391.83	812.86
CR-1318	114+21.3	28.5' RT	272289.29	861389.11	813.12
CR-1319	114+26.3	28.5' RT	272287.02	861393.56	813.29
CR-1320	114+30.8	28.3' RT	272284.85	861398.07	813.49

STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1321	114+30.6	33.3' RT	272280.41	861395.75	813.57
CR-1322	114+26.3	33.5' RT	272282.59	861391.25	813.36
CR-1323	114+21.3	33.5' RT	272284.86	861386.79	813.20
CR-1324	114+20.4	39.7' RT	272279.80	861383.03	813.23
CR-1325	114+17.5	45.3' RT	272276.17	861377.87	813.25
CR-1326	114+15.3	48.7' RT	272274.17	861374.38	813.27
CR-1327	114+13.7	52.4' RT	272271.68	861371.30	813.29
CR-1328	114+12.7	56.2' RT	272268.75	861368.65	813.30
CR-1329	114+12.2	59.6' RT	272265.99	861366.62	813.28
CR-1330	114+04.0	32.5' RT	272293.75	861371.89	812.87
CR-1331	114+07.8	27.2' RT	272296.74	861377.71	812.92
CR-1332	114+15.3	20.9' RT	272298.81	861387.28	812.94
CR-1333	114+20.7	18.4' RT	272298.60	861393.19	812.91
CR-1334	114+00.0	48.5' RT	272281.47	861360.92	812.68
CR-1335	114+03.7	38.0' RT	272289.01	861369.04	813.10
CR-1336	114+26.1	18.9' RT	272295.57	861397.73	813.29

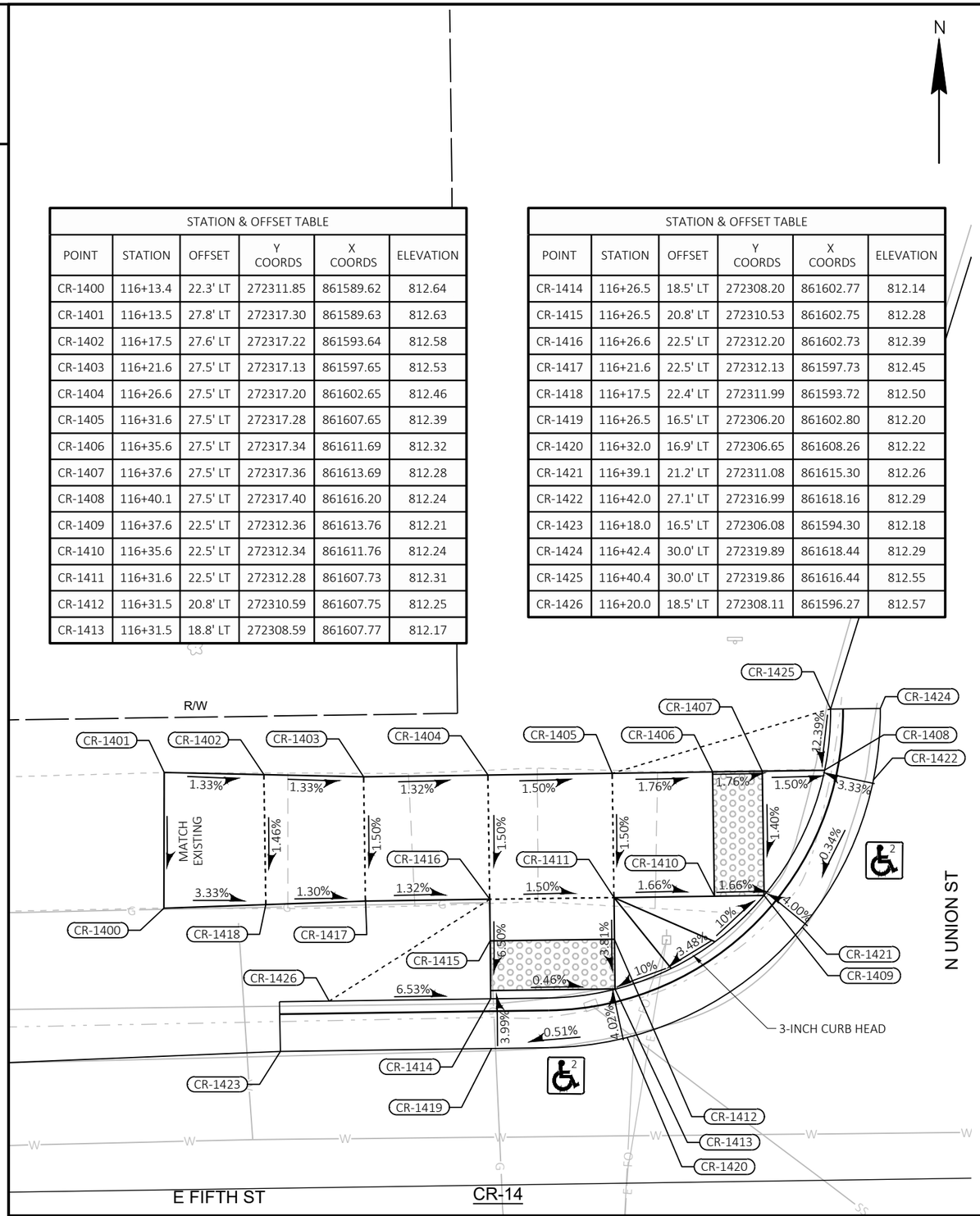
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 23	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021310_cr
PLOT DATE : 7/18/2023 12:19 PM
PLOT BY : CARPENTER, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42

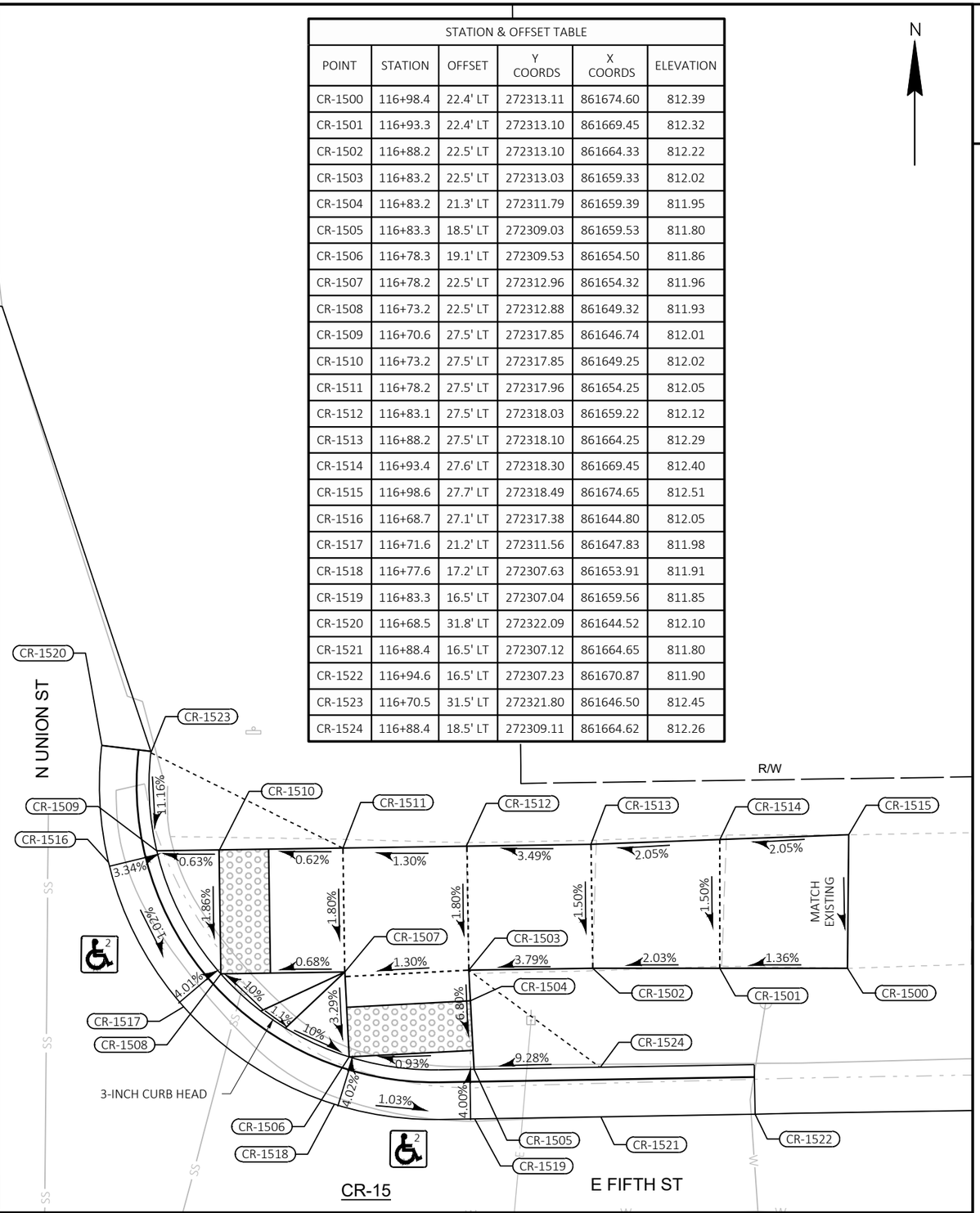
2

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1400	116+13.4	22.3' LT	272311.85	861589.62	812.64
CR-1401	116+13.5	27.8' LT	272317.30	861589.63	812.63
CR-1402	116+17.5	27.6' LT	272317.22	861593.64	812.58
CR-1403	116+21.6	27.5' LT	272317.13	861597.65	812.53
CR-1404	116+26.6	27.5' LT	272317.20	861602.65	812.46
CR-1405	116+31.6	27.5' LT	272317.28	861607.65	812.39
CR-1406	116+35.6	27.5' LT	272317.34	861611.69	812.32
CR-1407	116+37.6	27.5' LT	272317.36	861613.69	812.28
CR-1408	116+40.1	27.5' LT	272317.40	861616.20	812.24
CR-1409	116+37.6	22.5' LT	272312.36	861613.76	812.21
CR-1410	116+35.6	22.5' LT	272312.34	861611.76	812.24
CR-1411	116+31.6	22.5' LT	272312.28	861607.73	812.31
CR-1412	116+31.5	20.8' LT	272310.59	861607.75	812.25
CR-1413	116+31.5	18.8' LT	272308.59	861607.77	812.17

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1414	116+26.5	18.5' LT	272308.20	861602.77	812.14
CR-1415	116+26.5	20.8' LT	272310.53	861602.75	812.28
CR-1416	116+26.6	22.5' LT	272312.20	861602.73	812.39
CR-1417	116+21.6	22.5' LT	272312.13	861597.73	812.45
CR-1418	116+17.5	22.4' LT	272311.99	861593.72	812.50
CR-1419	116+26.5	16.5' LT	272306.20	861602.80	812.20
CR-1420	116+32.0	16.9' LT	272306.65	861608.26	812.22
CR-1421	116+39.1	21.2' LT	272311.08	861615.30	812.26
CR-1422	116+42.0	27.1' LT	272316.99	861618.16	812.29
CR-1423	116+18.0	16.5' LT	272306.08	861594.30	812.18
CR-1424	116+42.4	30.0' LT	272319.89	861618.44	812.29
CR-1425	116+40.4	30.0' LT	272319.86	861616.44	812.55
CR-1426	116+20.0	18.5' LT	272308.11	861596.27	812.57

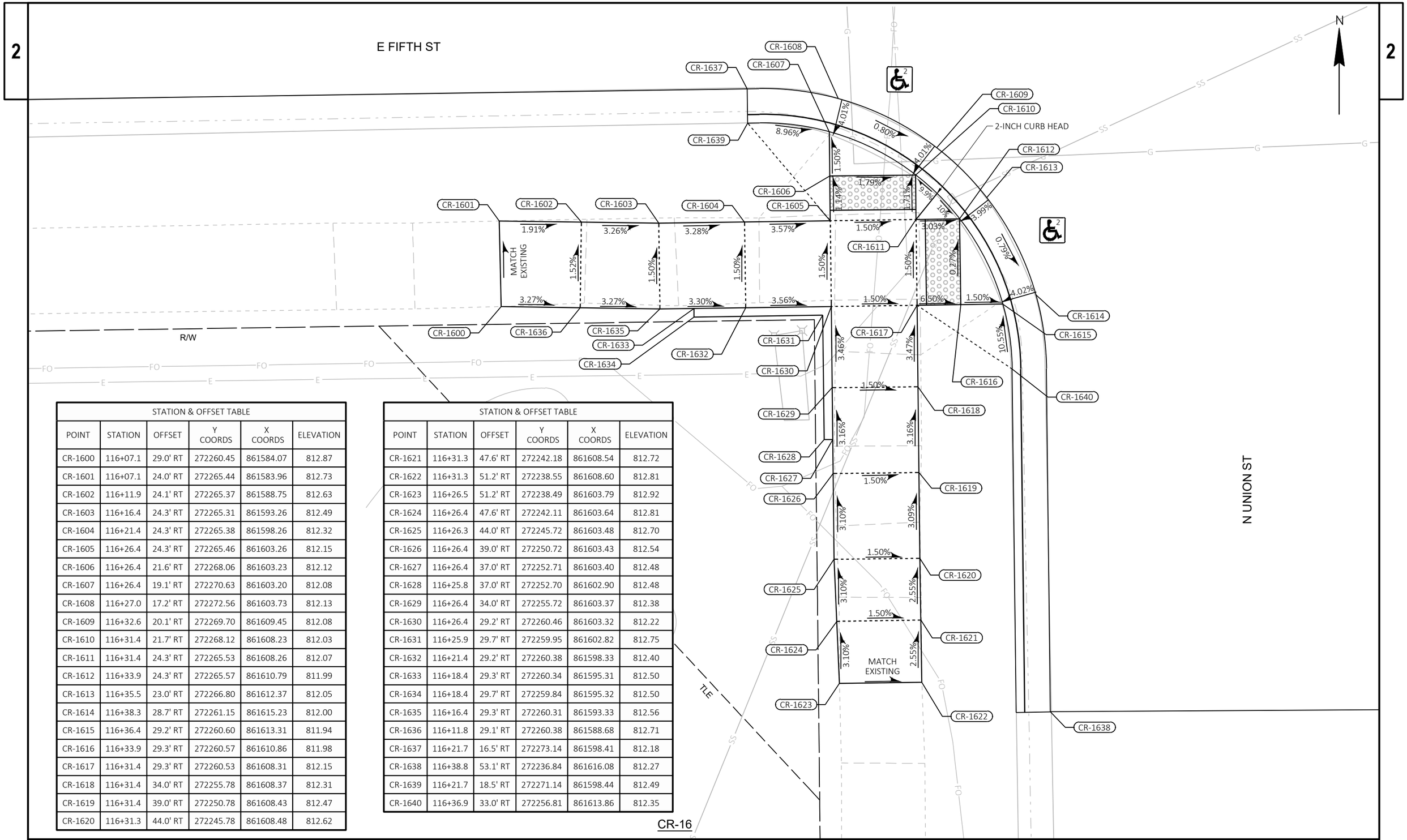


STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1500	116+98.4	22.4' LT	272313.11	861674.60	812.39
CR-1501	116+93.3	22.4' LT	272313.10	861669.45	812.32
CR-1502	116+88.2	22.5' LT	272313.10	861664.33	812.22
CR-1503	116+83.2	22.5' LT	272313.03	861659.33	812.02
CR-1504	116+83.2	21.3' LT	272311.79	861659.39	811.95
CR-1505	116+83.3	18.5' LT	272309.03	861659.53	811.80
CR-1506	116+78.3	19.1' LT	272309.53	861654.50	811.86
CR-1507	116+78.2	22.5' LT	272312.96	861654.32	811.96
CR-1508	116+73.2	22.5' LT	272312.88	861649.32	811.93
CR-1509	116+70.6	27.5' LT	272317.85	861646.74	812.01
CR-1510	116+73.2	27.5' LT	272317.85	861649.25	812.02
CR-1511	116+78.2	27.5' LT	272317.96	861654.25	812.05
CR-1512	116+83.1	27.5' LT	272318.03	861659.22	812.12
CR-1513	116+88.2	27.5' LT	272318.10	861664.25	812.29
CR-1514	116+93.4	27.6' LT	272318.30	861669.45	812.40
CR-1515	116+98.6	27.7' LT	272318.49	861674.65	812.51
CR-1516	116+68.7	27.1' LT	272317.38	861644.80	812.05
CR-1517	116+71.6	21.2' LT	272311.56	861647.83	811.98
CR-1518	116+77.6	17.2' LT	272307.63	861653.91	811.91
CR-1519	116+83.3	16.5' LT	272307.04	861659.56	811.85
CR-1520	116+68.5	31.8' LT	272322.09	861644.52	812.10
CR-1521	116+88.4	16.5' LT	272307.12	861664.65	811.80
CR-1522	116+94.6	16.5' LT	272307.23	861670.87	811.90
CR-1523	116+70.5	31.5' LT	272321.80	861646.50	812.45
CR-1524	116+88.4	18.5' LT	272309.11	861664.62	812.26



PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 24	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021311_cr
PLOT DATE : 7/18/2023 12:19 PM
PLOT BY : CARPENTER, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:5 FT
WISDOT/CADDS SHEET 42



STATION & OFFSET TABLE

POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1600	116+07.1	29.0' RT	272260.45	861584.07	812.87
CR-1601	116+07.1	24.0' RT	272265.44	861583.96	812.73
CR-1602	116+11.9	24.1' RT	272265.37	861588.75	812.63
CR-1603	116+16.4	24.3' RT	272265.31	861593.26	812.49
CR-1604	116+21.4	24.3' RT	272265.38	861598.26	812.32
CR-1605	116+26.4	24.3' RT	272265.46	861603.26	812.15
CR-1606	116+26.4	21.6' RT	272268.06	861603.23	812.12
CR-1607	116+26.4	19.1' RT	272270.63	861603.20	812.08
CR-1608	116+27.0	17.2' RT	272272.56	861603.73	812.13
CR-1609	116+32.6	20.1' RT	272269.70	861609.45	812.08
CR-1610	116+31.4	21.7' RT	272268.12	861608.23	812.03
CR-1611	116+31.4	24.3' RT	272265.53	861608.26	812.07
CR-1612	116+33.9	24.3' RT	272265.57	861610.79	811.99
CR-1613	116+35.5	23.0' RT	272266.80	861612.37	812.05
CR-1614	116+38.3	28.7' RT	272261.15	861615.23	812.00
CR-1615	116+36.4	29.2' RT	272260.60	861613.31	811.94
CR-1616	116+33.9	29.3' RT	272260.57	861610.86	811.98
CR-1617	116+31.4	29.3' RT	272260.53	861608.31	812.15
CR-1618	116+31.4	34.0' RT	272255.78	861608.37	812.31
CR-1619	116+31.4	39.0' RT	272250.78	861608.43	812.47
CR-1620	116+31.3	44.0' RT	272245.78	861608.48	812.62

STATION & OFFSET TABLE

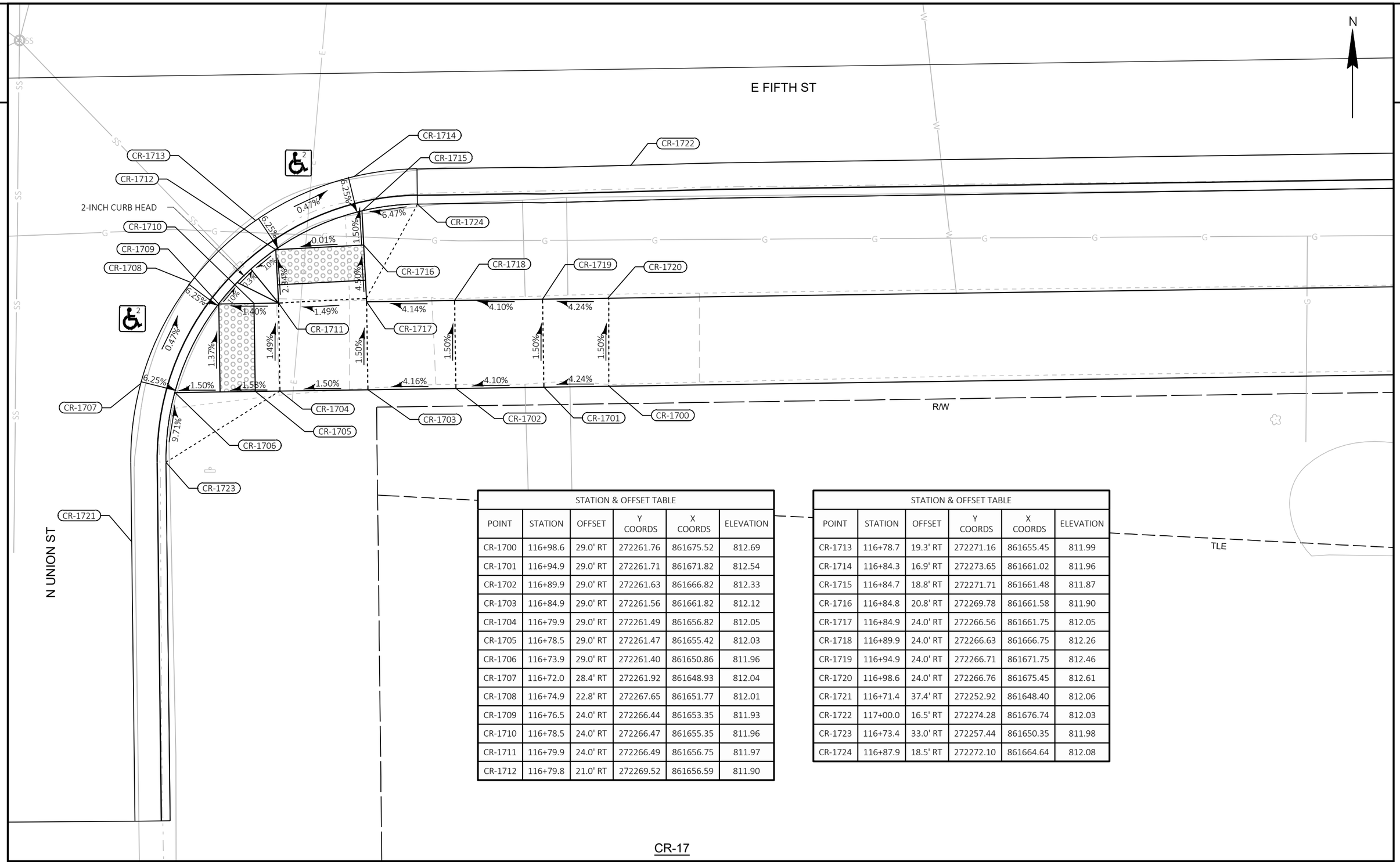
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1621	116+31.3	47.6' RT	272242.18	861608.54	812.72
CR-1622	116+31.3	51.2' RT	272238.55	861608.60	812.81
CR-1623	116+26.5	51.2' RT	272238.49	861603.79	812.92
CR-1624	116+26.4	47.6' RT	272242.11	861603.64	812.81
CR-1625	116+26.3	44.0' RT	272245.72	861603.48	812.70
CR-1626	116+26.4	39.0' RT	272250.72	861603.43	812.54
CR-1627	116+26.4	37.0' RT	272252.71	861603.40	812.48
CR-1628	116+25.8	37.0' RT	272252.70	861602.90	812.48
CR-1629	116+26.4	34.0' RT	272255.72	861603.37	812.38
CR-1630	116+26.4	29.2' RT	272260.46	861603.32	812.22
CR-1631	116+25.9	29.7' RT	272259.95	861602.82	812.75
CR-1632	116+21.4	29.2' RT	272260.38	861598.33	812.40
CR-1633	116+18.4	29.3' RT	272260.34	861595.31	812.50
CR-1634	116+18.4	29.7' RT	272259.84	861595.32	812.50
CR-1635	116+16.4	29.3' RT	272260.31	861593.33	812.56
CR-1636	116+11.8	29.1' RT	272260.38	861588.68	812.71
CR-1637	116+21.7	16.5' RT	272273.14	861598.41	812.18
CR-1638	116+38.8	53.1' RT	272236.84	861616.08	812.27
CR-1639	116+21.7	18.5' RT	272271.14	861598.44	812.49
CR-1640	116+36.9	33.0' RT	272256.81	861613.86	812.35

CR-16

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 25	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\021301-CR.DWG
LAYOUT NAME - 021312_cr

PLOT DATE : 7/18/2023 12:19 PM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:5 FT



STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1700	116+98.6	29.0' RT	272261.76	861675.52	812.69
CR-1701	116+94.9	29.0' RT	272261.71	861671.82	812.54
CR-1702	116+89.9	29.0' RT	272261.63	861666.82	812.33
CR-1703	116+84.9	29.0' RT	272261.56	861661.82	812.12
CR-1704	116+79.9	29.0' RT	272261.49	861656.82	812.05
CR-1705	116+78.5	29.0' RT	272261.47	861655.42	812.03
CR-1706	116+73.9	29.0' RT	272261.40	861650.86	811.96
CR-1707	116+72.0	28.4' RT	272261.92	861648.93	812.04
CR-1708	116+74.9	22.8' RT	272267.65	861651.77	812.01
CR-1709	116+76.5	24.0' RT	272266.44	861653.35	811.93
CR-1710	116+78.5	24.0' RT	272266.47	861655.35	811.96
CR-1711	116+79.9	24.0' RT	272266.49	861656.75	811.97
CR-1712	116+79.8	21.0' RT	272269.52	861656.59	811.90

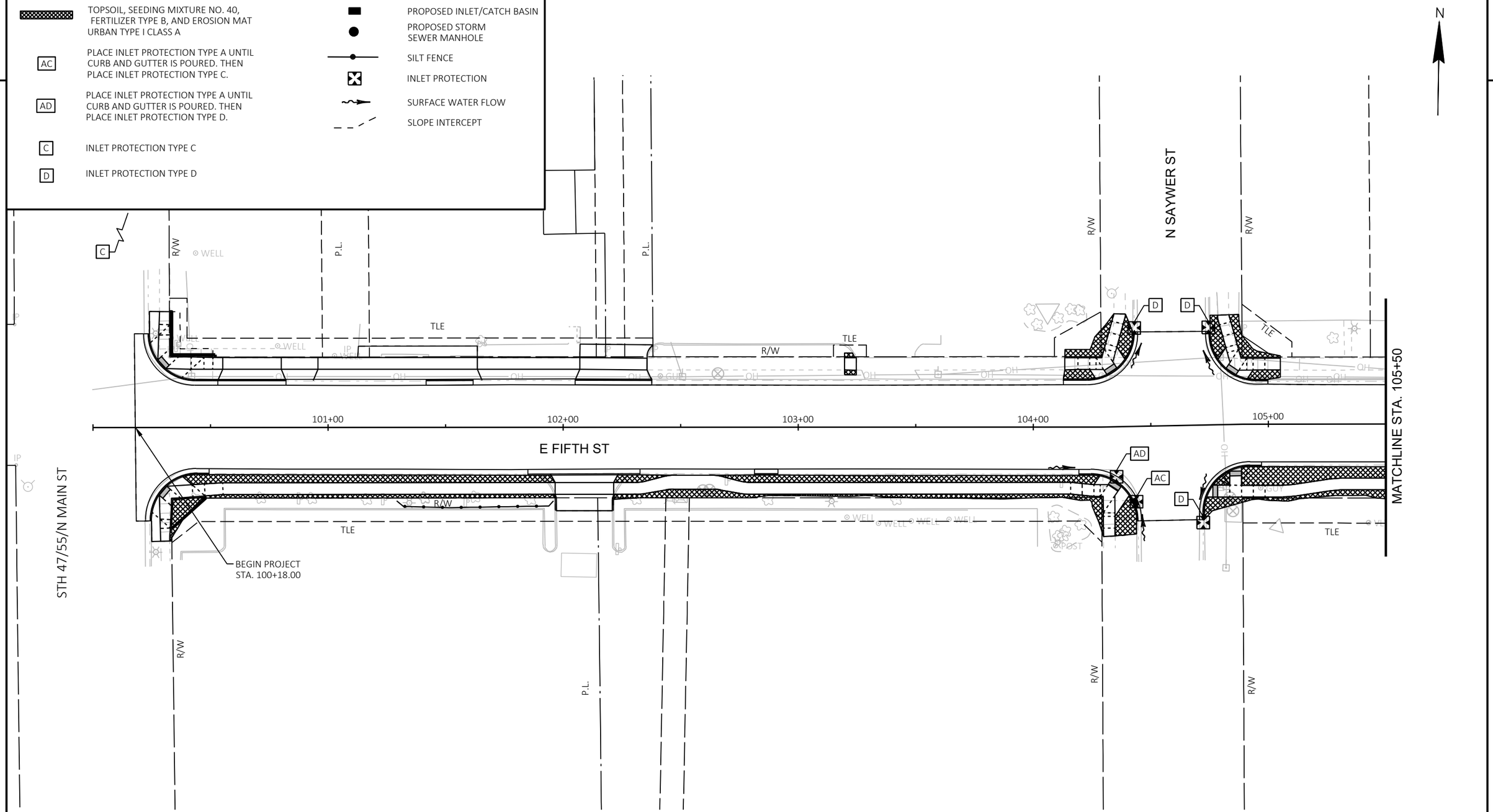
STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION
CR-1713	116+78.7	19.3' RT	272271.16	861655.45	811.99
CR-1714	116+84.3	16.9' RT	272273.65	861661.02	811.96
CR-1715	116+84.7	18.8' RT	272271.71	861661.48	811.87
CR-1716	116+84.8	20.8' RT	272269.78	861661.58	811.90
CR-1717	116+84.9	24.0' RT	272266.56	861661.75	812.05
CR-1718	116+89.9	24.0' RT	272266.63	861666.75	812.26
CR-1719	116+94.9	24.0' RT	272266.71	861671.75	812.46
CR-1720	116+98.6	24.0' RT	272266.76	861675.45	812.61
CR-1721	116+71.4	37.4' RT	272252.92	861648.40	812.06
CR-1722	117+00.0	16.5' RT	272274.28	861676.74	812.03
CR-1723	116+73.4	33.0' RT	272257.44	861650.35	811.98
CR-1724	116+87.9	18.5' RT	272272.10	861664.64	812.08

CR-17

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CURB RAMP DETAILS	SHEET 26	E

LEGEND

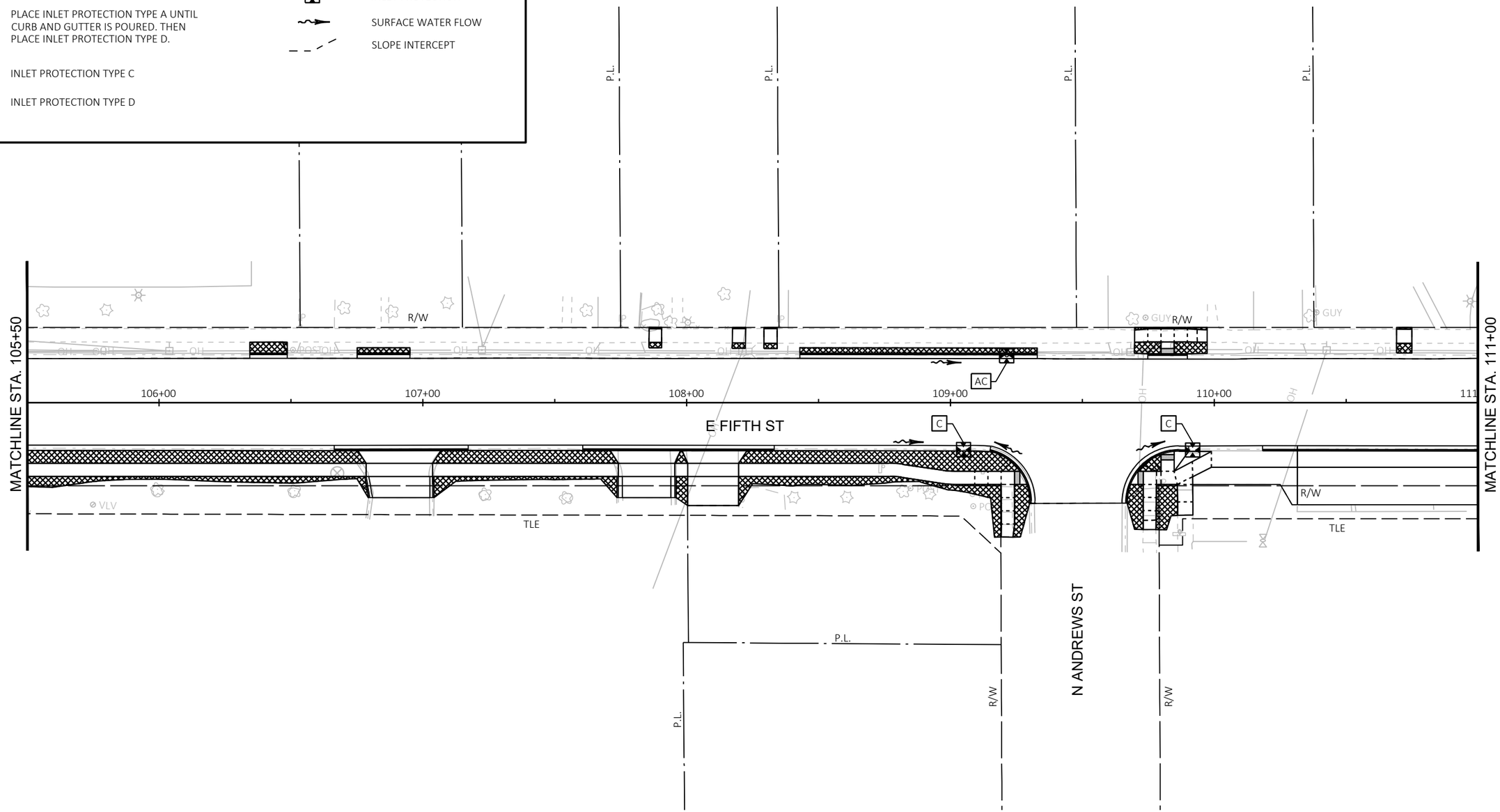
- TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN TYPE I CLASS A
- AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- PROPOSED INLET/CATCH BASIN
- PROPOSED STORM SEWER MANHOLE
- SILT FENCE
- INLET PROTECTION
- SURFACE WATER FLOW
- SLOPE INTERCEPT



LEGEND

- TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN TYPE I CLASS A
- AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- PROPOSED INLET/CATCH BASIN
- PROPOSED STORM SEWER MANHOLE
- SILT FENCE
- INLET PROTECTION
- SURFACE WATER FLOW
- SLOPE INTERCEPT

N



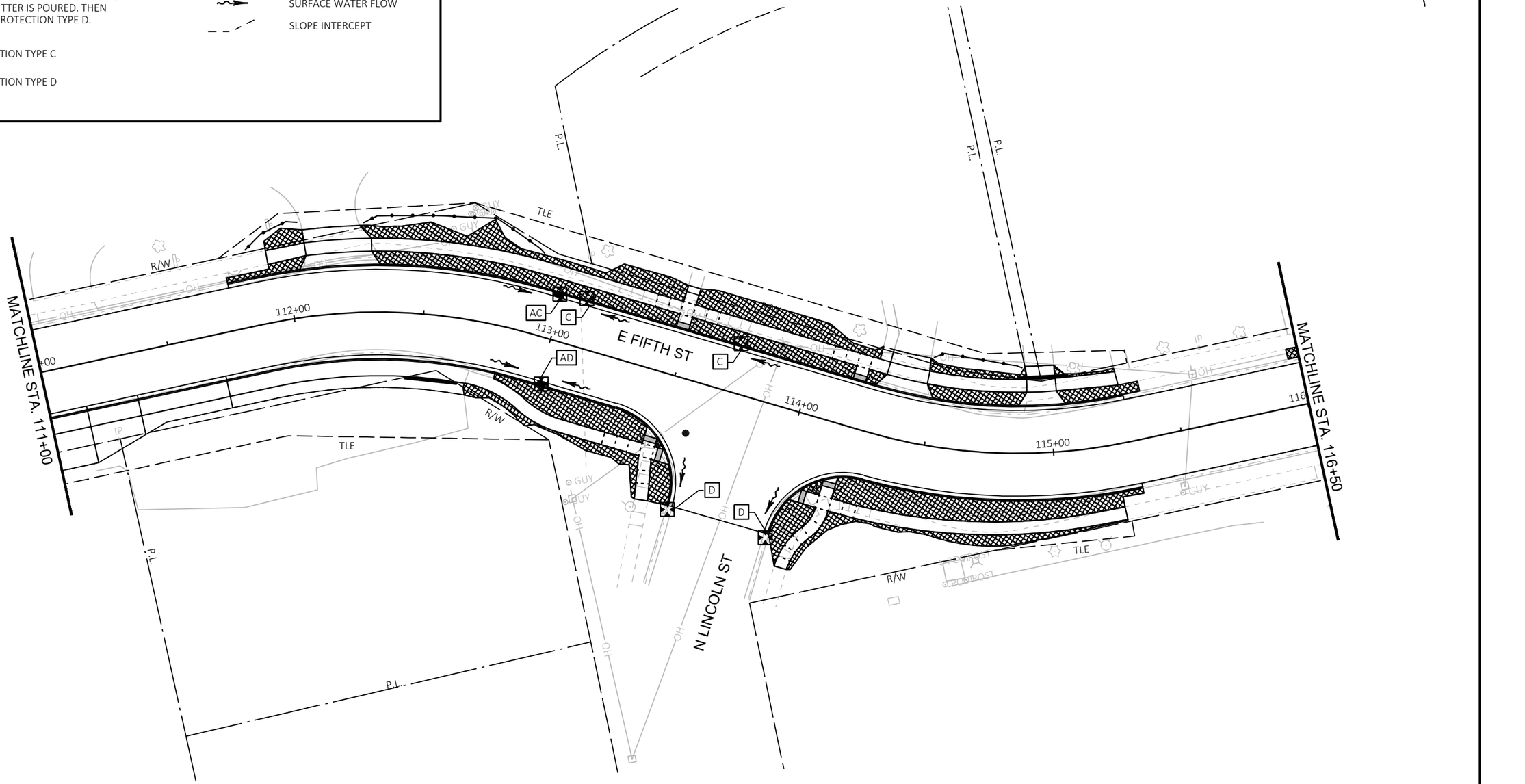
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	EROSION CONTROL	SHEET 28	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022002-ec

PLOT DATE : 7/14/2023 7:38 AM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : ##########

LEGEND

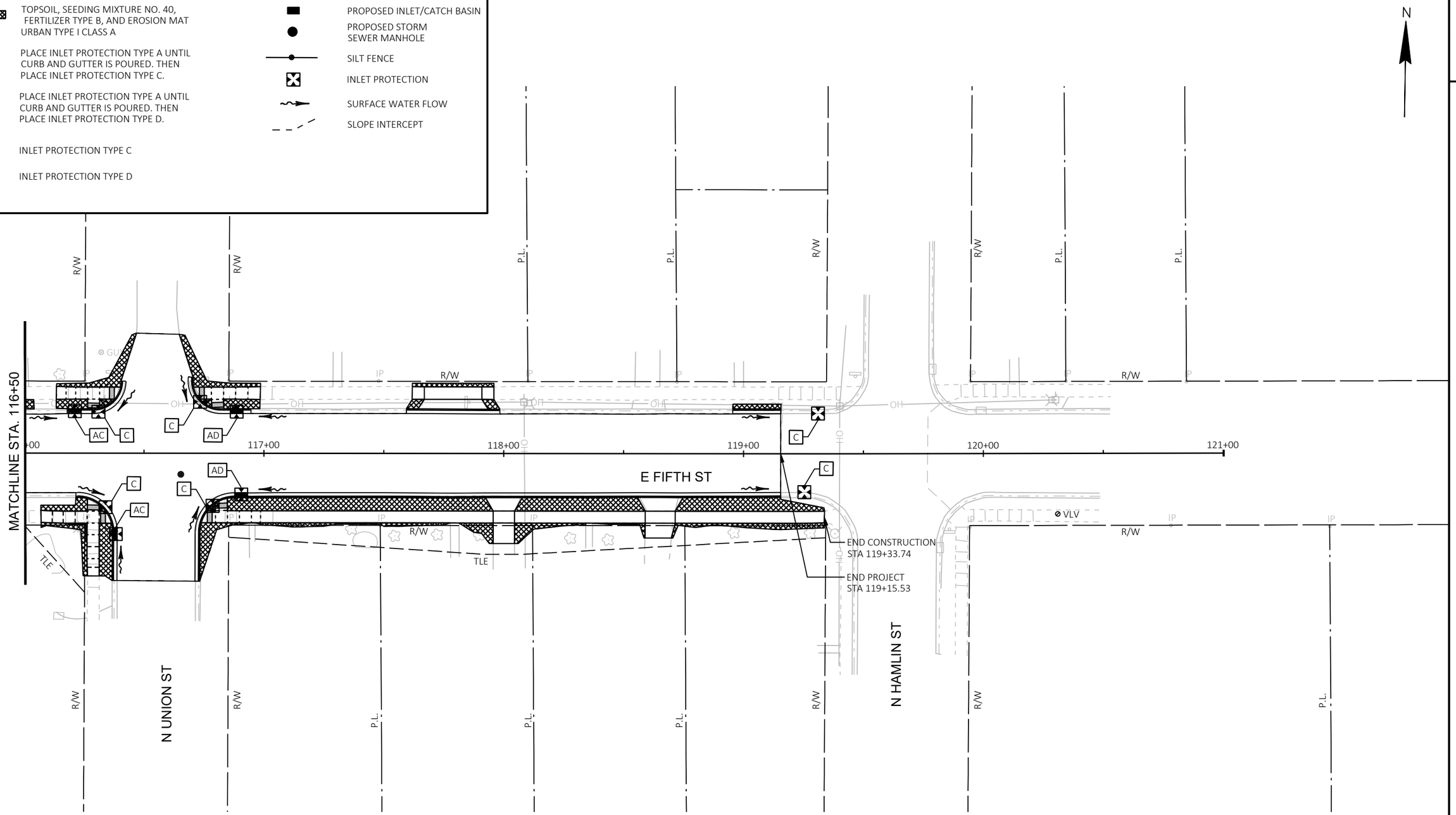
- TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN TYPE I CLASS A
- AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- PROPOSED INLET/CATCH BASIN
- PROPOSED STORM SEWER MANHOLE
- SILT FENCE
- INLET PROTECTION
- SURFACE WATER FLOW
- SLOPE INTERCEPT



2

LEGEND

- TOPSOIL, SEEDING MIXTURE NO. 40, FERTILIZER TYPE B, AND EROSION MAT URBAN TYPE I CLASS A
- AC — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE C.
- AD — PLACE INLET PROTECTION TYPE A UNTIL CURB AND GUTTER IS POURED. THEN PLACE INLET PROTECTION TYPE D.
- C — INLET PROTECTION TYPE C
- D — INLET PROTECTION TYPE D
- PROPOSED INLET/CATCH BASIN
- PROPOSED STORM SEWER MANHOLE
- SILT FENCE
- INLET PROTECTION
- SURFACE WATER FLOW
- SLOPE INTERCEPT



2

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	EROSION CONTROL	SHEET 30	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022001-EC.DWG
LAYOUT NAME - 022004-ec

PLOT DATE : 7/14/2023 7:38 AM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

2

STH 47/55/N MAIN ST

N SAWYER ST

E FIFTH ST

101+00 102+00 103+00 104+00 105+00 106

MATCH LINE STA 106+00

N

2

LEGEND

- (A) REMOVING STORM SEWER 18-INCH OR LESS REQUIRED
- (B) REMOVING MANHOLES REQUIRED
- (C) REMOVING INLETS REQUIRED

MATCH LINE STA 106+00

107+00 108+00 109+00 110+00 111+00 112

E FIFTH ST

N ANDREWS ST

MATCH LINE STA 112+00

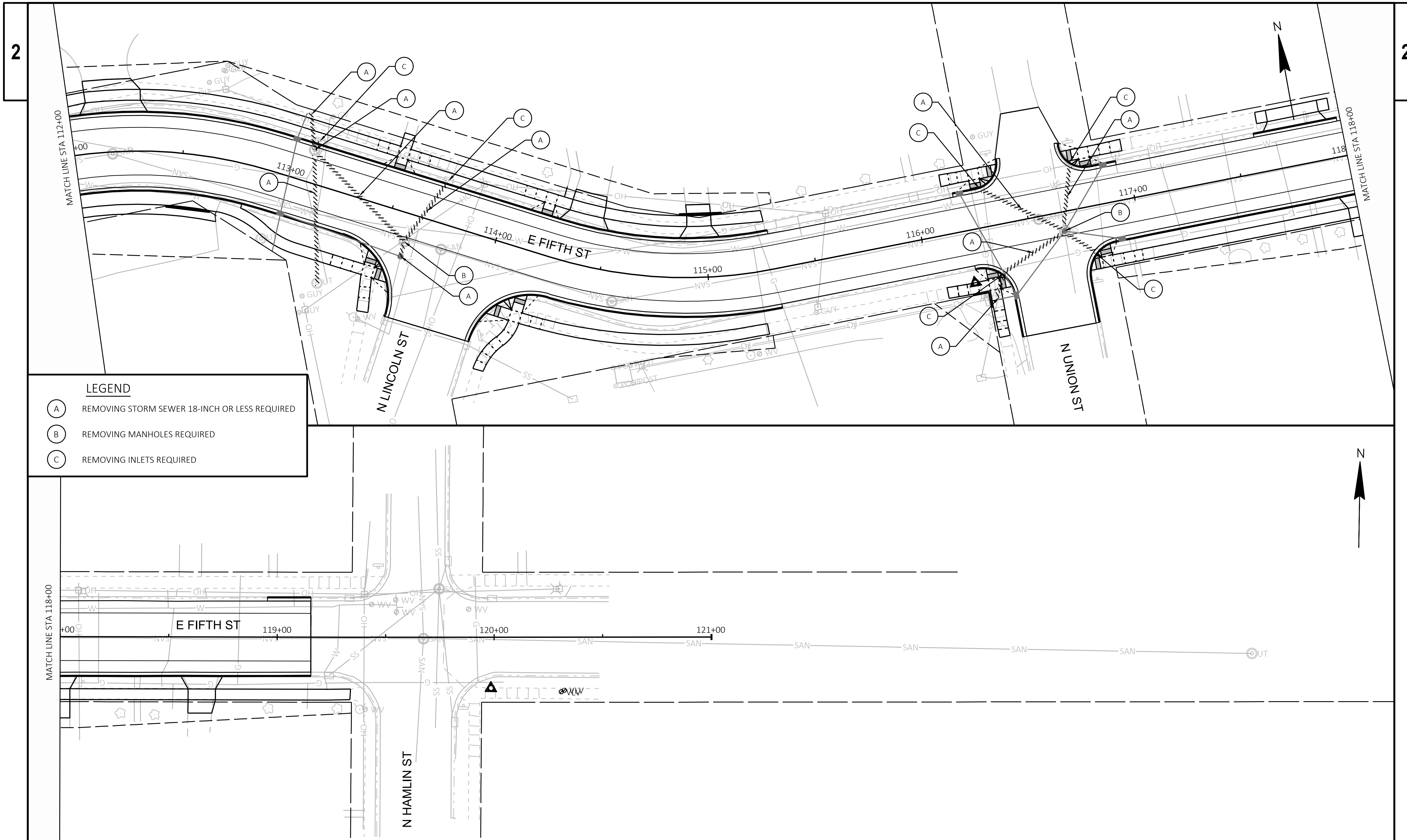
N

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	STORM SEWER REMOVAL PLAN	SHEET 31	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022505-SS.DWG
LAYOUT NAME - 022504-ss

PLOT DATE : 11/17/2023 8:23 AM PLOT BY : STANIOCH, DREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44



LEGEND

- (A) REMOVING STORM SEWER 18-INCH OR LESS REQUIRED
- (B) REMOVING MANHOLES REQUIRED
- (C) REMOVING INLETS REQUIRED

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	STORM SEWER REMOVAL PLAN	SHEET 32	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022505-SS.DWG
LAYOUT NAME - 022505-ss
PLOT DATE : 7/14/2023 7:38 AM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

STH 47/55/N MAIN ST

N SAWYER ST

E FIFTH ST

MATCH LINE STA 106+00

100 STA 102+28, 3.4' RT
ADJUSTING MANHOLE COVERS REQ'D

STA 104+49, 6.8' RT
CONCRETE COLLARS FOR PIPE REQ'D 216

STA 104+42, 6.8' RT
CONCRETE COLLARS FOR PIPE REQ'D 215

STA 104+43, 32.2' RT
INLETS 2x3-H-S 205

210 STA 104+65, 7.3' RT
ADJUSTING MANHOLE COVERS REQ'D; STORM SEWER TAP REQ'D

101+00 102+00 103+00 104+00 105+00 106

2

MATCH LINE STA 106+00

300 STA 109+21, 18.1' LT
ADJUSTING INLET COVERS REQ'D

E FIFTH ST

N ANDREWS ST

305 STA 109+52, 26.1' RT
ADJUSTING MANHOLE COVERS REQ'D

+00 107+00 108+00 109+00 110+00 111+00 112

MATCH LINE STA 112+00

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	STORM SEWER PLAN	SHEET 33	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022501-ss

PLOT DATE : 11/17/2023 8:23 AM PLOT BY : STANIOCH, DREW PLOT NAME : PLOT SCALE : 1 IN:40 FT

2

STA 113+00, 30.4' LT
CONCRETE COLLARS FOR PIPE REQ'D
410A

410
STA 112+99, 17.5' LT
INLETS 2x3-H-S

MATCH LINE STA 112+00

STA 113+01, 17.5' RT
INLETS 4-H
405

STA 113+03, 35.3' RT
COVERING AND LOCATING STORM SEWER REQ'D
405A

STA 113+60, 20.1' RT
MANHOLES 4-J-S
420

E FIFTH ST

N LINCOLN ST

STA 116+21, 17.5' LT
INLETS 2x3-H-S
500

515
STA 116+89, 17.5' LT
INLETS 2x3-H-S

520
STA 116+91, 17.5' RT
INLETS 2x3-H-S

510
STA 116+65, 8.9' RT
MANHOLES 4-J-S

STA 116+29, 33.8' RT
TIE-IN LOCATION
530

STA 116+38, 33.7' RT
INLETS 4-H-S
525

N UNION ST

MATCH LINE STA 118+00

N

MATCH LINE STA 118+00

E FIFTH ST

N HAMLIN ST

N

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	STORM SEWER PLAN	SHEET 34	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\022501-SS.DWG
LAYOUT NAME - 022502-ss

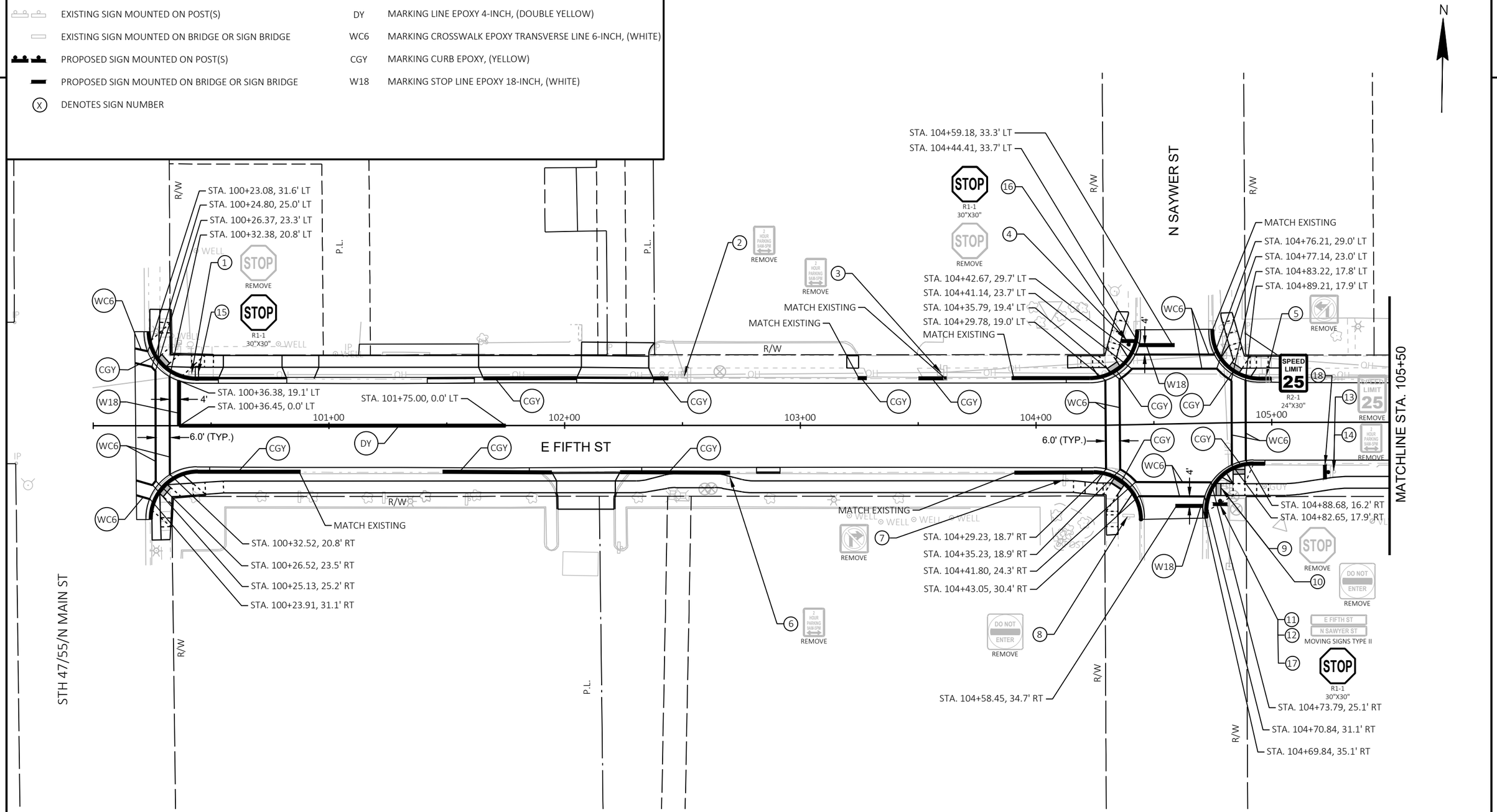
PLOT DATE : 7/14/2023 7:38 AM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

Structure No.	Station		Offset	C-C (ft)	Downstream Structure	Inlet Type	MH Type	Rim/ Grate Elevation	T.O.S. Elevation	Depth (ft)	Discharge Pipe					Remarks
											Size (in)	Inlet Elevation	Discharge Elevation	Length (ft)	Slope (%)	
100	102+28.45	ML	3.4 ' RT	-	-	-	-	814.83	-	-	-	-	-	-	-	ADJUSTING MANHOLE COVERS REQ'D
205	104+42.54	ML	32.2 ' RT	33.7	210	INLETS 2x3-H-S	-	813.20	812.37	2.40	12	809.97	809.30	34	1.99%	
210	104+65.25	ML	7.3 ' RT	-	-	-	-	813.93	-	-	-	-	-	-	-	ADJUSTING MANHOLE COVERS REQ'D; STORM SEWER TAP REQ'D
215	104+41.74	ML	31.2 ' RT	7.3	216	-	-	-	-	-	12	808.60	808.56	7	0.55%	CONCRETE COLLARS FOR PIPE REQ'D
216	104+49.03	ML	6.8 ' RT	-	-	-	-	-	-	-	-	808.56	-	-	-	CONCRETE COLLARS FOR PIPE REQ'D
300	109+21.28	ML	18.1 ' LT	-	-	-	-	813.51	-	-	-	-	-	-	-	ADJUSTING INLET COVERS REQ'D
305	109+51.92	ML	26.1 ' RT	-	-	-	-	814.36	-	-	-	-	-	-	-	ADJUSTING MANHOLE COVERS REQ'D
405	113+01.43	ML	17.5 ' RT	35.1	410	INLETS 4-H	-	812.32	811.49	3.65	15	807.84	807.69	35	0.43%	
405A	113+02.99	ML	35.3 ' RT	17.9	405	-	-	-	-	-	12	807.92	807.84	18	0.45%	STUB FOR FUTURE DEVELOPMENT; CAP FOR END OF PIPE REQ'D
410	112+98.69	ML	17.5 ' LT	12.9	410A	INLETS 2x3-H-S	-	812.32	811.49	3.80	15	807.69	807.57	13	0.93%	
410A	112+99.59	ML	30.4 ' LT	-	-	-	-	-	-	-	-	807.57	-	-	-	CONNECTION TO CITY PROJECT; CONCRETE COLLARS FOR PIPE REQ'D
420	113+60.18	ML	20.1 ' RT	58.8	405	-	MANHOLES 4-J-S	812.76	811.51	2.67	15	808.84	807.84	59	1.70%	CONNECTION TO EXISTING 12" PIPE (SW, IE~808.84)
500	116+21.15	ML	17.5 ' LT	53.9	525	INLETS 2x3-H-S	-	812.00	811.17	2.47	12	808.70	808.43	54	0.50%	
510	116+65.37	ML	8.9 ' RT	-	-	-	MANHOLES 4-J-S	812.28	811.03	5.83	15	805.20	-	-	-	CONNECT TO EXISTING 15" PIPES (S AND N, IE~805.2)
515	116+88.63	ML	17.5 ' LT	35.2	510	INLETS 2x3-H-S	-	811.63	810.80	2.51	12	808.29	808.12	35	0.48%	
520	116+90.63	ML	45.5 ' RT	26.7	510	INLETS 2x3-H-S	-	811.75	810.92	2.68	12	808.24	808.11	27	0.49%	
525	116+37.86	ML	33.7 ' RT	37.1	510	INLETS 4-H	-	811.80	811.30	2.87	12	808.43	808.06	37	1.00%	2-INCHES ADJUSTING RINGS REQ'D
530	116+28.96	ML	33.8 ' RT	8.9	525	-	-	-	-	-	10	809.33	808.76	9	6.40%	CONNECT TO EXISTING 10" PIPE (SSW, IE~809.33)

LEGEND

	EXISTING SIGN MOUNTED ON POST(S)	DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
	EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE	WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
	PROPOSED SIGN MOUNTED ON POST(S)	CGY	MARKING CURB EPOXY, (YELLOW)
	PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE	W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
(X)	DENOTES SIGN NUMBER		

NOTE: TIE PROPOSED PAVEMENT MARKINGS TO MATCH INTO EXISTING MARKINGS.



PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 36 E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PSPM.DWG
LAYOUT NAME - 023201-pspm
PLOT DATE : 7/14/2023 7:38 AM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : ##########
WISDOT/CADDS SHEET 42

2

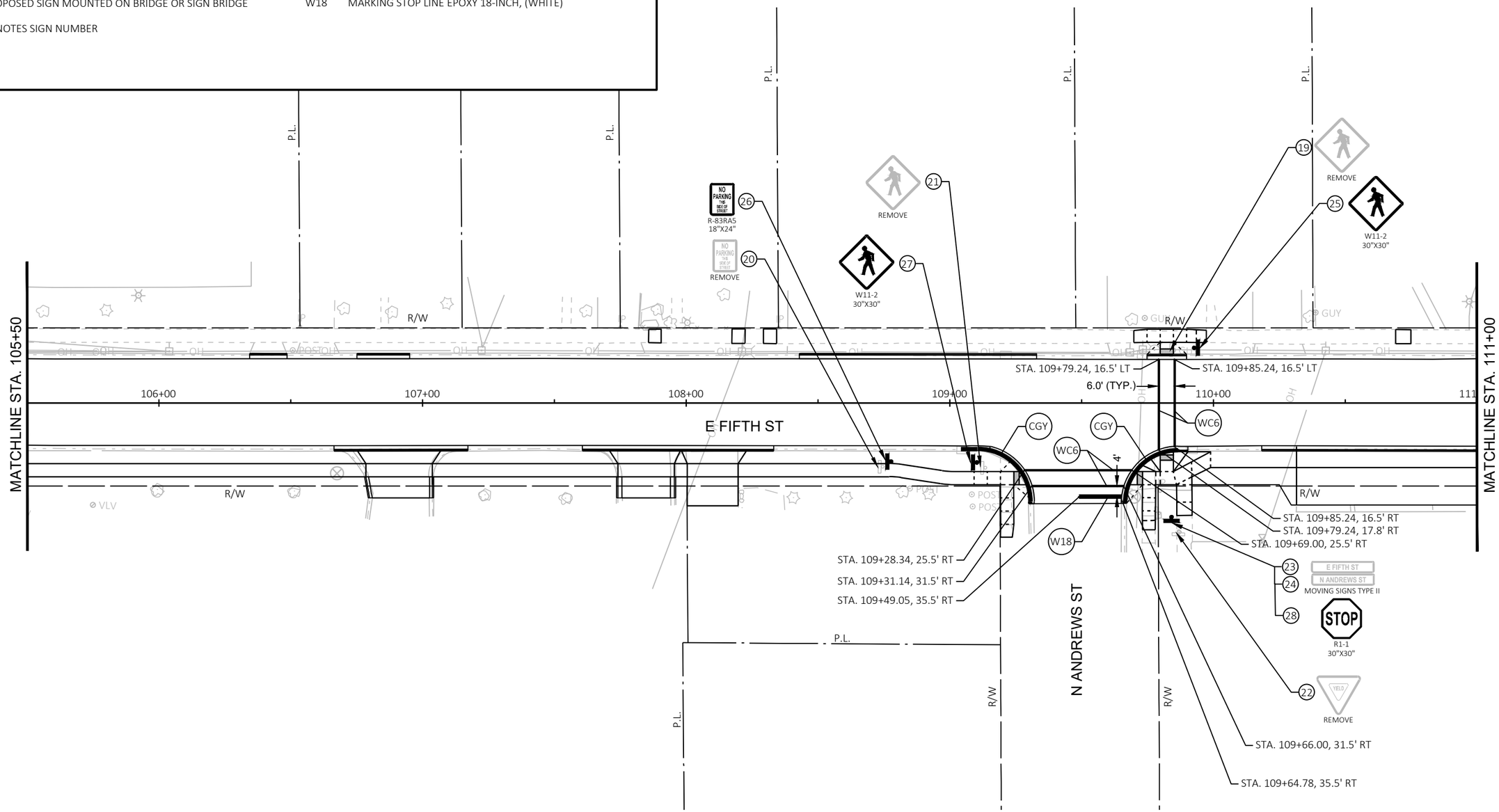
LEGEND

	EXISTING SIGN MOUNTED ON POST(S)	DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
	EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE	WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
	PROPOSED SIGN MOUNTED ON POST(S)	CGY	MARKING CURB EPOXY, (YELLOW)
	PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE	W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
(X)	DENOTES SIGN NUMBER		

NOTE: TIE PROPOSED PAVEMENT MARKINGS TO MATCH INTO EXISTING MARKINGS.

N

2



PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 37	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\023201-PSPM.DWG
LAYOUT NAME - 023202-pspm

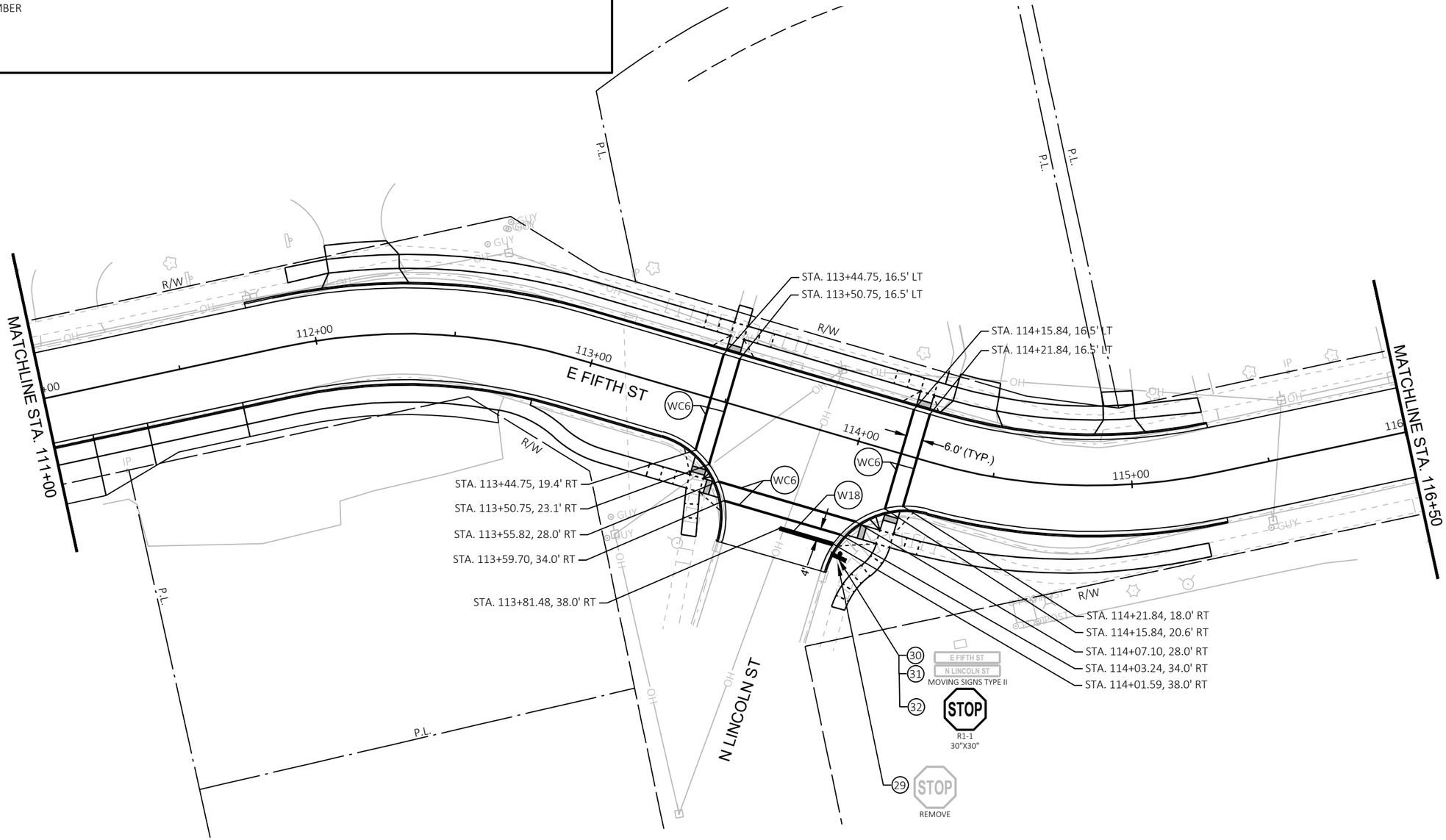
PLOT DATE : 11/17/2023 8:35 AM PLOT BY : STANIOCH, DREW PLOT NAME : PLOT SCALE : ##########

WISDOT/CADDS SHEET 42

LEGEND

	EXISTING SIGN MOUNTED ON POST(S)	DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
	EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE	WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
	PROPOSED SIGN MOUNTED ON POST(S)	CGY	MARKING CURB EPOXY, (YELLOW)
	PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE	W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
(X)	DENOTES SIGN NUMBER		

NOTE: TIE PROPOSED PAVEMENT MARKINGS TO MATCH INTO EXISTING MARKINGS.

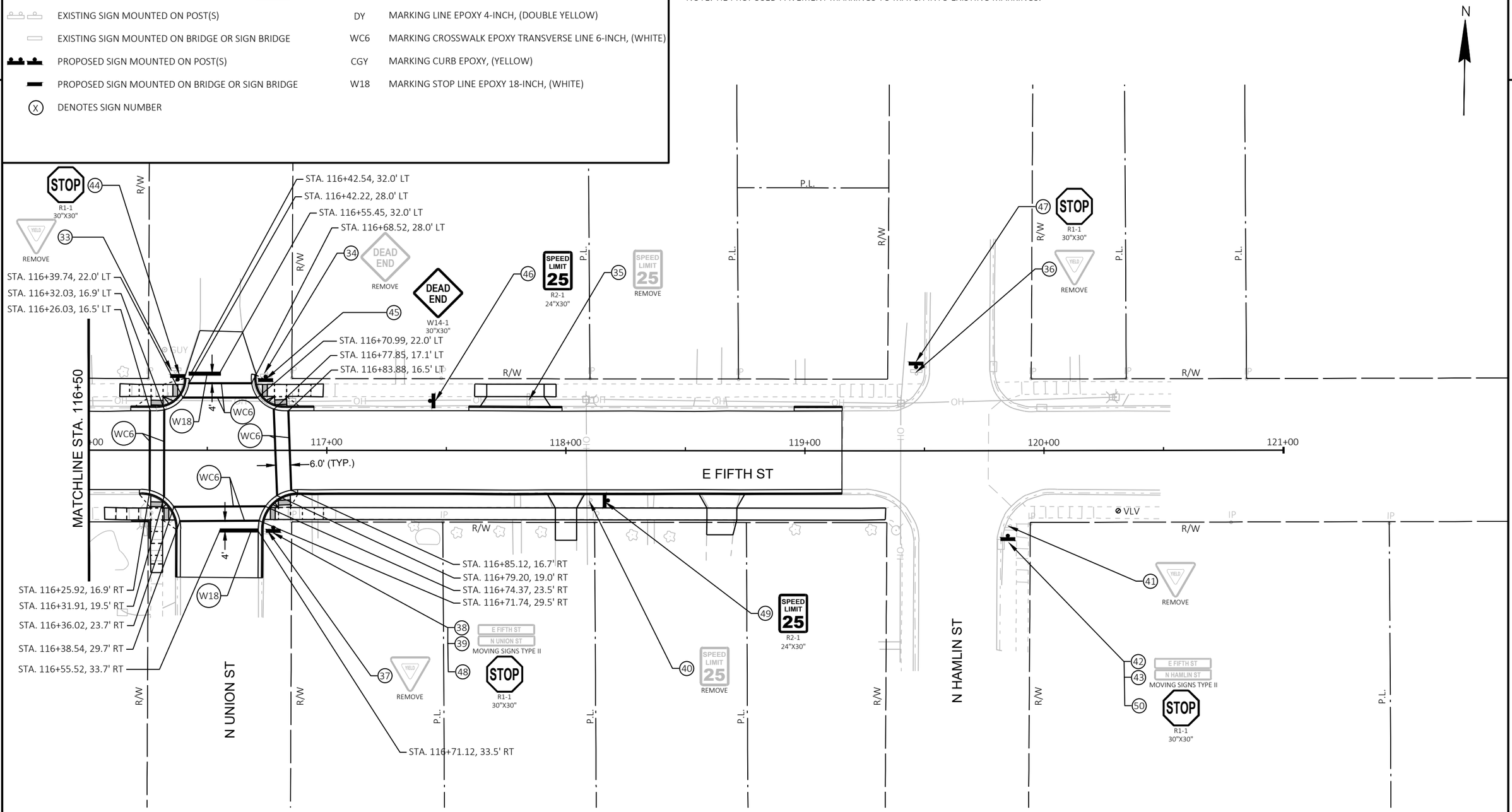


PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PERMANENT SIGNING & PAVEMENT MARKING	SHEET 38	E

LEGEND

	EXISTING SIGN MOUNTED ON POST(S)	DY	MARKING LINE EPOXY 4-INCH, (DOUBLE YELLOW)
	EXISTING SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE	WC6	MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH, (WHITE)
	PROPOSED SIGN MOUNTED ON POST(S)	CGY	MARKING CURB EPOXY, (YELLOW)
	PROPOSED SIGN MOUNTED ON BRIDGE OR SIGN BRIDGE	W18	MARKING STOP LINE EPOXY 18-INCH, (WHITE)
(X)	DENOTES SIGN NUMBER		

NOTE: TIE PROPOSED PAVEMENT MARKINGS TO MATCH INTO EXISTING MARKINGS.



2

FOR ADDITIONAL INFORMATION USE STANDARD DETAIL DRAWINGS:
*"BARRICADES AND SIGNS FOR MAINLINE CLOSURES"
** "BARRICADES AND SIGNS FOR SIDEROAD CLOSURES"
*** "TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY"
**** "TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS, TWO WAY UNDIVIDED ROADWAY OPEN TO TRAFFIC"

PCMS TRAFFIC CONTROL SIGNS PCMS

MESSAGE FOR ALL PCMS SHOWN

PANEL 1	PANEL 2
ROAD TO CLOSE	DATE

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	ADVANCE WARNING	SHEET 40	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\025000-AW.DWG
LAYOUT NAME - 025000-aw
PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : ##########

2

2

N

SHAWANO CREEK

FOX VALLEY & LAKE SUPERIOR RR

DETOUR
M4-9BR
30"X24"

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

DETOUR
M4-9BR
30"X24"

DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BR
30"X24"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11R
24"X12"

N SAWYER ST

STH 47/55/N MAIN ST

SIDEWALK CLOSED
R9-9
24"X12"

E FIFTH ST

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
R9-9
24"X12"

SIDEWALK CLOSED
CROSS HERE
R9-11AL
24"X12"

DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BR
30"X24"

DETOUR
M4-9BL
30"X24"

N WASHINGTON ST

N SAWYER ST

N ANDREWS ST

N LINCOLN ST

N UNION T.

N HAMLIN ST

DETOUR
M4-9BL
30"X24"

DETOUR
M4-9BR
30"X24"

SIDEWALK CLOSED AHEAD
CROSS HERE
R9-11L
24"X12"

STH 22/29/47/E GREEN BAY ST

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

SIDEWALK CLOSED AHEAD
R9-9A
30"X18"

DETOUR
M4-9BL
30"X24"

STH 22/S MAIN ST

S SAWYER ST

S ANDREWS ST

S LINCOLN ST

S UNION ST

S HAMLIN ST

CITY OF SHAWANO

LEGEND

PEDESTRIAN/BICYCLE DETOUR ROUTE

SIGN ON TEMPORARY SUPPORT

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PEDESTRIAN / BICYCLE DETOUR PLAN	SHEET 41	E

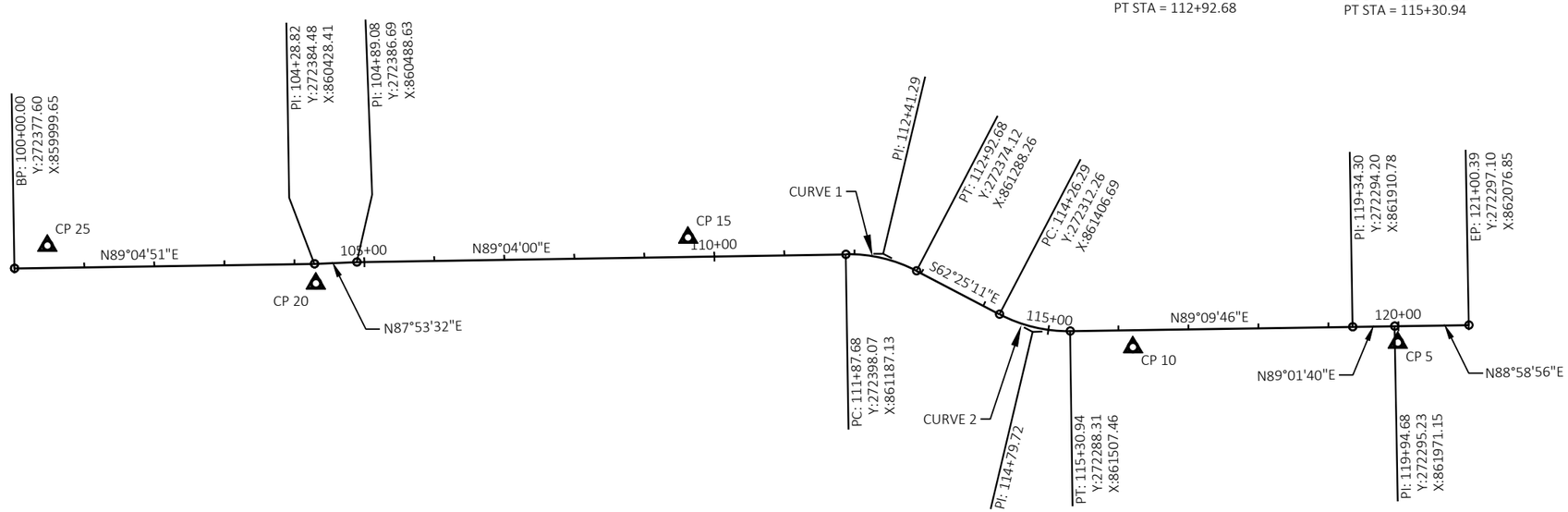
FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027001-DT.DWG
LAYOUT NAME - 027001-dt

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:200 FT

STATION & OFFSET TABLE					
POINT	STATION	OFFSET	Y COORDS	X COORDS	DESC.
CP 5	119+98.12	23.51 RT	272271.791	861975.397	CHISELED 'X'
CP 10	116+19.97	24.27 RT	272265.349	861597.224	CHISELED 'X'
CP 15	109+62.75	28.83 LT	272421.733	860961.801	CHISELED 'X'
CP 20	104+30.06	28.34 RT	272356.153	860429.992	CHISELED 'X'
CP 25	100+47.51	32.13 LT	272410.491	860046.638	CHISELED 'X'

CURVE 1
PI STA = 112+41.29
Y = 272398.947
X = 861240.741
DELTA = 28°30'49"
D = 27°09'16"
T = 53.61'
L = 105.01'
R = 211.00'
PC STA = 111+87.68
PT STA = 112+92.68
DELTA = 28°30'49" RT
D = 27°09'16"
T = 53.61'
L = 105.01'
R = 211.00'
PC STA = 111+87.68
PT STA = 112+92.68

CURVE 2
PI STA = 114+79.72
Y = 272287.529
X = 861454.044
DELTA = 28°25'02"
D = 27°09'16"
T = 53.43'
L = 104.65'
R = 211.00'
PC STA = 114+26.29
PT STA = 115+30.94
DELTA = 28°25'02" LT
D = 27°09'16"
T = 53.43'
L = 104.65'
R = 211.00'
PC STA = 114+26.29
PT STA = 115+30.94



PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	ALIGNMENT DETAIL AND CONTROL POINT DATA	SHEET 42	E

STATION & OFFSET TABLE						
POINT	STATION	OFFSET	Y COORDS	X COORDS	ELEVATION	DESC.
BM 4	109+77.25	21.84 LT	272414.980	860976.415	816.84	HYDRANT TOP NUT
BM 5	104+32.66	56.52 LT	272441.035	860431.574	817.11	HYDRANT TOP NUT
BM 6	99+83.90	34.45 RT	272351.620	859971.874	819.00	HYDRANT TOP NUT
CP 5	119+98.12	23.51 RT	272271.791	861975.397	812.68	CHISELED 'X'
CP 10	116+19.97	24.27 RT	272265.349	861597.224	812.73	CHISELED 'X'
CP 15	109+62.75	28.83 LT	272421.733	860961.801	814.53	CHISELED 'X'
CP 20	104+30.06	28.34 RT	272356.153	860429.992	814.22	CHISELED 'X'
CP 25	100+47.51	32.13 LT	272410.491	860046.638	815.71	CHISELED 'X'

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CONTROL POINT DATA	SHEET 43	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\027301-CP.DWG
LAYOUT NAME - 027301-cp

PLOT DATE : 7/17/2023 11:05 AM PLOT BY : LYNCH, CHRIS PLOT NAME : PLOT SCALE : 1 IN:100 FT

Estimate Of Quantities

6997-04-70

Line	Item	Item Description	Unit	Total	Qty
0002	204.0100	Removing Concrete Pavement	SY	166.000	166.000
0004	204.0130	Removing Curb	LF	34.000	34.000
0006	204.0150	Removing Curb & Gutter	LF	1,953.000	1,953.000
0008	204.0155	Removing Concrete Sidewalk	SY	855.000	855.000
0010	204.0210	Removing Manholes	EACH	2.000	2.000
0012	204.0220	Removing Inlets	EACH	7.000	7.000
0014	204.0245	Removing Storm Sewer (size) 01. 18-Inch or Less	LF	334.000	334.000
0016	205.0100	Excavation Common	CY	4,651.000	4,651.000
0018	213.0100	Finishing Roadway (project) 01. 6997-04-70	EACH	1.000	1.000
0020	305.0110	Base Aggregate Dense 3/4-Inch	TON	355.000	355.000
0022	305.0120	Base Aggregate Dense 1 1/4-Inch	TON	5,900.000	5,900.000
0024	311.0110	Breaker Run	TON	390.000	390.000
0026	416.0610	Drilled Tie Bars	EACH	180.000	180.000
0028	455.0605	Tack Coat	GAL	780.000	780.000
0030	460.2000	Incentive Density HMA Pavement	DOL	1,390.000	1,390.000
0032	460.6223	HMA Pavement 3 MT 58-28 S	TON	1,380.000	1,380.000
0034	460.6424	HMA Pavement 4 MT 58-28 H	TON	805.000	805.000
0036	465.0120	Asphaltic Surface Driveways and Field Entrances	TON	26.000	26.000
0038	520.8000	Concrete Collars for Pipe	EACH	4.000	4.000
0040	601.0110	Concrete Curb Type D	LF	14.000	14.000
0042	601.0411	Concrete Curb & Gutter 30-Inch Type D	LF	165.000	165.000
0044	601.0600	Concrete Curb Pedestrian	LF	80.000	80.000
0046	602.0405	Concrete Sidewalk 4-Inch	SF	12,350.000	12,350.000
0048	602.0515	Curb Ramp Detectable Warning Field Natural Patina	SF	250.000	250.000
0050	602.0810	Concrete Driveway 6-Inch	SY	470.000	470.000
0052	602.0860	Concrete Driveway HES 6-Inch	SY	120.000	120.000
0054	608.0412	Storm Sewer Pipe Reinforced Concrete Class IV 12-Inch	LF	212.000	212.000
0056	608.0415	Storm Sewer Pipe Reinforced Concrete Class IV 15-Inch	LF	107.000	107.000
0058	608.6010	Storm Sewer Pipe Composite 10-Inch	LF	9.000	9.000
0060	611.0535	Manhole Covers Type J-Special	EACH	2.000	2.000
0062	611.0624	Inlet Covers Type H	EACH	1.000	1.000
0064	611.0639	Inlet Covers Type H-S	EACH	6.000	6.000
0066	611.2004	Manholes 4-FT Diameter	EACH	2.000	2.000
0068	611.3004	Inlets 4-FT Diameter	EACH	2.000	2.000
0070	611.3230	Inlets 2x3-FT	EACH	5.000	5.000
0072	611.8110	Adjusting Manhole Covers	EACH	3.000	3.000
0074	611.8115	Adjusting Inlet Covers	EACH	1.000	1.000
0076	618.0100	Maintenance and Repair of Haul Roads (project) 01. 6997-04-70	EACH	1.000	1.000
0078	619.1000	Mobilization	EACH	1.000	1.000
0080	623.0200	Dust Control Surface Treatment	SY	11,150.000	11,150.000
0082	624.0100	Water	MGAL	94.000	94.000
0084	625.0100	Topsoil	SY	1,900.000	1,900.000
0086	627.0200	Mulching	SY	3,125.000	3,125.000
0088	628.1504	Silt Fence	LF	203.000	203.000
0090	628.1520	Silt Fence Maintenance	LF	406.000	406.000
0092	628.1905	Mobilizations Erosion Control	EACH	4.000	4.000
0094	628.1910	Mobilizations Emergency Erosion Control	EACH	2.000	2.000
0096	628.2006	Erosion Mat Urban Class I Type A	SY	1,900.000	1,900.000
0098	628.7005	Inlet Protection Type A	EACH	10.000	10.000
0100	628.7015	Inlet Protection Type C	EACH	18.000	18.000

6997-04-70

Line	Item	Item Description	Unit	Total	Qty
0102	628.7020	Inlet Protection Type D	EACH	10.000	10.000
0104	628.7560	Tracking Pads	EACH	5.000	5.000
0106	629.0210	Fertilizer Type B	CWT	3.200	3.200
0108	630.0140	Seeding Mixture No. 40	LB	51.200	51.200
0110	630.0300	Seeding Borrow Pit	LB	42.000	42.000
0112	630.0500	Seed Water	MGAL	11.000	11.000
0114	634.0614	Posts Wood 4x6-Inch X 14-FT	EACH	1.000	1.000
0116	634.0616	Posts Wood 4x6-Inch X 16-FT	EACH	15.000	15.000
0118	637.2210	Signs Type II Reflective H	SF	64.620	64.620
0120	637.2230	Signs Type II Reflective F	SF	18.750	18.750
0122	638.2102	Moving Signs Type II	EACH	10.000	10.000
0124	638.2602	Removing Signs Type II	EACH	24.000	24.000
0126	638.3000	Removing Small Sign Supports	EACH	20.000	20.000
0128	642.5201	Field Office Type C	EACH	1.000	1.000
0130	643.0300	Traffic Control Drums	DAY	1,124.000	1,124.000
0132	643.0420	Traffic Control Barricades Type III	DAY	3,371.000	3,371.000
0134	643.0705	Traffic Control Warning Lights Type A	DAY	7,303.000	7,303.000
0136	643.0900	Traffic Control Signs	DAY	9,100.000	9,100.000
0138	643.1050	Traffic Control Signs PCMS	DAY	14.000	14.000
0140	643.5000	Traffic Control	EACH	1.000	1.000
0142	646.1020	Marking Line Epoxy 4-Inch	LF	280.000	280.000
0144	646.6120	Marking Stop Line Epoxy 18-Inch	LF	112.000	112.000
0146	646.7420	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	1,070.000	1,070.000
0148	646.8120	Marking Curb Epoxy	LF	550.000	550.000
0150	650.4000	Construction Staking Storm Sewer	EACH	9.000	9.000
0152	650.4500	Construction Staking Subgrade	LF	1,900.000	1,900.000
0154	650.5000	Construction Staking Base	LF	1,900.000	1,900.000
0156	650.5500	Construction Staking Curb Gutter and Curb & Gutter	LF	2,125.000	2,125.000
0158	650.9000	Construction Staking Curb Ramps	EACH	17.000	17.000
0160	650.9500	Construction Staking Sidewalk (project) 01. 6997-04-70	EACH	1.000	1.000
0162	650.9911	Construction Staking Supplemental Control (project) 01. 6997-04-70	EACH	1.000	1.000
0164	650.9920	Construction Staking Slope Stakes	LF	1,900.000	1,900.000
0166	690.0150	Sawing Asphalt	LF	904.000	904.000
0168	690.0250	Sawing Concrete	LF	782.000	782.000
0170	740.0440	Incentive IRI Ride	DOL	1,200.000	1,200.000
0172	ASP.1T0A	On-the-Job Training Apprentice at $5.00/HR	HRS	300.000	300.000
0174	ASP.1T0G	On-the-Job Training Graduate at $5.00/HR	HRS	600.000	600.000
0176	SPV.0060	Special 01. Storm Sewer Tap	EACH	1.000	1.000
0178	SPV.0060	Special 02. Covering and Locating Storm Sewer	EACH	1.000	1.000
0180	SPV.0090	Special 01. Concrete Curb & Gutter 24-Inch Special Type D	LF	1,735.000	1,735.000
0182	SPV.0090	Special 02. Concrete Curb & Gutter 30-Inch Special Type D HES	LF	130.000	130.000

3

REMOVING CONCRETE PAVEMENT

CATEGORY	STATION - STATION	LOCATION	204.0100 SY	REMARKS
0010	BOP - 111+94	LT/RT	58	DRIVEWAY
	111+94 - 115+31	LT	73	DRIVEWAY
	115+31 - EOP	RT	35	DRIVEWAY
		TOTAL	166	

REMOVING CURB

CATEGORY	STATION - STATION	LOCATION	204.0130 LF
0010	100+18 - 119+16	RT	34
		TOTAL	34

REMOVING CURB & GUTTER

CATEGORY	STATION - STATION	LOCATION	204.0150 LF
0010	BOP - 111+94	LT/RT	940
	111+94 - 115+31	LT/RT	609
	115+31 - EOP	LT/RT	404
		TOTAL	1,953

REMOVING CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	204.0155 SY
0010	BOP - 111+94	LT/RT	387
	111+94 - 115+31	LT/RT	274
	115+31 - EOP	LT/RT	194
		TOTAL	855

REMOVING MANHOLES

CATEGORY	STATION	OFFSET	204.0210 EACH
0010	113+60	13 'RT	1
	116+65	9 'RT	1
		TOTAL	2

REMOVING INLETS

CATEGORY	STATION	OFFSET	204.0220 EACH
0010	104+35	21 'RT	1
	113+10	20 'LT	1
	113+71	20 'LT	1
	116+30	17 'LT	1
	116+33	23 'RT	1
	116+73	21 'LT	1
	116+78	22 'RT	1
		TOTAL	7

REMOVING STORM SEWER

CATEGORY	STATION - STATION	LOCATION	204.0245.01 18-INCH OR LESS LF
0010	104+35 - 104+65	RT	30
	104+41 - 104+48	RT	7
	113+00 - 113+08	LT	15
	113+08 - 113+09	LT	5
	113+08 - 113+26	LT/RT	60
	113+08 - 113+60	LT/RT	55
	113+60	RT	7
	113+60 - 113+70	LT/RT	35
	116+29 - 116+33	RT	10
	116+33 - 116+65	RT	30
	116+33 - 116+65	LT/RT	40
	116+65 - 116+74	LT/RT	25
	116+65 - 116+77	RT	15
		TOTAL	334

EARTHWORK

CATEGORY	LOCATION	STATION - STATION	205.0100 EXCAVATION COMMON (1)(7) CUT CY	EBS EXCAVATION (2) 5% OF CUT CY	UNUSABLE PAVEMENT MATERIAL CY	AVAILABLE MATERIAL (3) CY	UNEXPANDED FILL CY	EXPANDED FILL (4) FACTOR 1.18 CY	MASS ORDINATE +/- (5)	311.0110 BREAKER RUN (6) TON
0010	E FIFTH ST	100+18 - 119+15	4,429	221	0	4,429	29	34	4,395	390
		SUBTOTALS	4,429	221	0	4,429	29	34	4,395	390
		TOTALS		4,651						390

NOTES:
1) EXCAVATION COMMON IS THE SUM OF THE CUT AND EBS EXCAVATION COLUMNS. ITEM NUMBER 205.0100.
2) EBS EXCAVATION TO BE BACKFILLED WITH BREAKER RUN MATERIAL.
3) AVAILABLE MATERIAL = CUT
4) EXPANDED FILL = UNEXPANDED FILL * EXPANDED FILL FACTOR. EXPANDED FILL FACTOR = 1.18.
5) MASS ORDINATE = CUT - (FILL * FILL FACTOR)
POSITIVE MASS ORDINATE QUANTITY INDICATES AN EXCESS OF MATERIAL WITHIN THE DIVISION. NEGATIVE MASS ORDINATE QUANTITY INDICATES A SHORTAGE OF MATERIAL WITHIN THE DIVISION.
6) USED FOR BACKFILL OF EBS
7) EXCAVATION COMMON FOR SIDE ROADS ACCOUNTED FOR IN STATION RANGE PROVIDED.

3

FINISHING ROADWAY

CATEGORY	PROJECT	213.0100 EACH
0010	6997-04-70	1

BASE AGGREGATE DENSE

CATEGORY	STATION - STATION	LOCATION	305.0110 BASE AGGREGATE DENSE 3/4-INCH TON	305.0120 BASE AGGREGATE DENSE 1 1/4-INCH TON	624.0100 WATER (FOR COMPACTION) MGAL
0010	BOP - 111+94	LT/RT	200	3,550	56
	111+94 - 115+31	LT/RT	100	1,150	19
	115+31 - EOP	LT/RT	55	1,200	19
		TOTALS	355	5,900	94

CONCRETE DRIVEWAY

CATEGORY	STATION	OFFSET	602.0810 6-INCH SY	602.0860 HES 6-INCH SY
0010	BOP - 111+94	LT/RT	340	120
	111+94 - 115+31	LT/RT	65	---
	115+31 - EOP	LT/RT	65	---
	TOTALS		470	120

DRILLED TIE BARS

CATEGORY	STATION - STATION	LOCATION	416.0610 EACH
0010	BOP - 111+94	LT/RT	124
	111+94 - 115+31	LT/RT	18
	115+31 - EOP	LT/RT	38
		TOTAL	180

ASPHALTIC ITEMS

CATEGORY	STATION - STATION	LOCATION	455.0605 TACK COAT GAL	460.6223 HMA PAVEMENT 3 MT 58-28 S TON	460.6424 HMA PAVEMENT 4 MT 58-28 H TON	465.0120 ASPHALTIC SURFACE DRIVEWAYS AND FIELD ENTRANCES (DRIVEWAYS) TON
0010	BOP - 111+94	LT/RT	475	840	490	19
	111+94 - 115+31	LT/RT	140	250	145	7
	115+31 - EOP	LT/RT	165	290	170	---
		TOTALS	780	1,380	805	26

NOTE: A CONVERSION FACTOR OF 112 LBS/SY/IN WAS USED TO ESTIMATE QUANTITIES FOR HMA PAVEMENT.

CURB & GUTTER

CATEGORY	STATION - STATION	LOCATION	601.0110 CONCRETE CURB TYPE D LF	601.0411 CONCRETE CURB & GUTTER 30-INCH TYPE D LF	601.0600 CONCRETE CURB PEDESTRIAN LF	SPV.0090.01 CONCRETE CURB & GUTTER 24-INCH SPECIAL TYPE D LF	SPV.0090.02 CONCRETE CURB & GUTTER 30-INCH SPECIAL TYPE D HES LF
0010	BOP - 111+94	LT/RT	14	165	64	625	130
	111+94 - 115+31	LT/RT	---	---	---	670	---
	115+31 - EOP	LT/RT	---	---	16	440	---
		TOTALS	14	165	80	1,735	130

CONCRETE SIDEWALK

CATEGORY	STATION - STATION	LOCATION	602.0405 CONCRETE SIDEWALK 4-INCH SF
0010	BOP - 111+94	LT/RT	7,200
	111+94 - 115+31	LT/RT	3,300
	115+31 - EOP	LT/RT	1,850
		TOTAL	12,350

CURB RAMP DETECTABLE WARNING FIELD

CATEGORY	STATION - STATION	LOCATION	602.0515 NATURAL PATINA SF
0010	BOP - 111+94	LT/RT	110
	111+94 - 115+31	LT/RT	60
	115+31 - EOP	LT/RT	80
		TOTAL	250

STORM SEWER PIPE SUMMARY

CATEGORY	FROM STRUCTURE	TO STRUCTURE	608.0412 REINFORCED CONCRETE CLASS IV 12-INCH LF	608.0415 REINFORCED CONCRETE CLASS IV 15-INCH LF	608.6010 STORM SEWER PIPE COMPOSITE 10-INCH LF
0010	205	210	34	---	---
	215	216	7	---	---
	405	410	---	35	---
	405A	405	18	---	---
	410	410A	---	13	---
	420	405	---	59	---
	500	525	54	---	---
	515	510	35	---	---
	520	510	27	---	---
	525	510	37	---	---
	530	525	---	---	9
	TOTALS		212	107	9

MANHOLES AND INLETS SUMMARY

CATEGORY	STRUCTURE NUMBER	STATION	OFFSET	611.2004 MANHOLES 4-FT DIAMETER EACH	611.3230 INLETS 2X3-FT EACH	611.3004 INLETS 4-FT DIAMETER EACH	611.0535 MANHOLE COVERS TYPE J-SPECIAL EACH	611.0624 INLET COVERS TYPE H EACH	611.0639 INLET COVERS TYPE H-S EACH	650.4000 CONSTRUCTION STAKING STORM SEWER EACH
0010	205	104+42.54	3.4 ' RT	---	1	---	---	---	1	1
	405	113+01.43	17.5 ' RT	---	---	1	---	1	---	1
	410	112+98.69	17.5 ' LT	---	1	---	---	---	1	1
	420	113+60.18	20.1 ' RT	1	---	---	1	---	---	1
	500	116+21.15	17.5 ' LT	---	1	---	---	---	1	1
	510	116+65.37	8.9 ' RT	1	---	---	1	---	---	1
	515	116+88.63	17.5 ' LT	---	1	---	---	---	1	1
	520	116+90.63	45.5 ' RT	---	1	---	---	---	1	1
	525	116+37.86	33.7 ' RT	---	---	1	---	---	1	1
		TOTALS		2	5	2	2	1	6	9

STORM SEWER ITEMS

CATEGORY	STRUCT. NO.	STATION	OFFSET	SPV.0060.01 STORM SEWER TAP EACH	611.8115 ADJUSTING INLET COVERS EACH	611.8110 ADJUSTING MANHOLE COVERS EACH	520.8000 CONCRETE COLLARS FOR PIPE EACH	SPV.0060.02 COVERING AND LOCATING STORM SEWER EACH
0010	100	102+28.45	3.4 ' RT	---	---	1	---	---
	210	104+65.25	7.3 ' RT	1	---	1	1	---
	215	104+41.74	31.2 ' RT	---	---	---	1	---
	216	104+49.03	6.8 ' RT	---	---	---	1	---
	300	109+21.28	18.1 ' LT	---	1	---	---	---
	305	109+51.92	26.1 ' RT	---	---	1	---	---
	405A	113+02.99	35.3 ' RT	---	---	---	---	1
	410A	112+99.59	30.4 ' LT	---	---	---	1	---
		TOTALS		1	1	3	4	1

MAINTENANCE AND REPAIR OF HAUL ROADS (PROJECT)

CATEGORY	PROJECT	618.0100 EACH
0020	6997-04-70	1

MOBILIZATION

CATEGORY	PROJECT	619.1000 EACH
0010	6997-04-70	1

DUST CONTROL SURFACE TREATMENT

CATEGORY	STATION - STATION	LOCATION	623.0200 SY
0010	BOP - 111+94	LT/RT	6,750
	111+94 - 115+31	LT/RT	2,250
	115+31 - EOP	LT/RT	2,150
		TOTAL	11,150

MOBILIZATIONS EROSION CONTROL

CATEGORY	PROJECT	628.1905 MOBILIZATIONS EROSION CONTROL EACH	628.1910 MOBILIZATIONS EMERGENCY EROSION CONTROL EACH
0010	6999-11-78	4	2

SILT FENCE SUMMARY

CATEGORY	STATION - STATION	LOCATION	628.1504 SILT FENCE LF	628.1520 SILT FENCE MAINTENANCE LF
0010	BOP - 111+94	LT	69	138
	111+94 - EOP	LT	134	268
		TOTALS	203	406

3

PERMANENT SIGNING SUMMARY

CATEGORY	SIGN NO.	APPROX. STA.	LOC.	SIGN CODE	SIGN MESSAGE	SIGN SIZE (W x H) IN	637.2210 SIGNS TYPE II REFLECTIVE H SF	637.2230 SIGNS TYPE II REFLECTIVE F SF	634.0614 POSTS WOOD 4x6-INCH x 14-FT EACH	634.0616 POSTS WOOD 4x6-INCH x 16-FT EACH	638.2102 MOVING SIGNS TYPE II EACH	638.2602 REMOVING SIGNS TYPE II EACH	638.3000 REMOVING SMALL SIGN SUPPORTS EACH	REMARKS
0010	1	100+42	LT	R1-1	STOP	30 x 30	---	---	---	---	---	1	---	TO REMAIN
	2	102+51	LT	R7-5D	2 HOUR PARKING 9AM-5PM - DOUBLE ARROW	18 x 24	---	---	---	---	---	1	1	
	3	103+60	LT	R7-5D	2 HOUR PARKING 9AM-5PM - DOUBLE ARROW	18 x 24	---	---	---	---	---	1	1	
	4	104+39	LT	R1-1	STOP	30 x 30	---	---	---	---	---	1	1	
	5	104+98	LT	R3-2	NO LEFT TURN SYMBOL	24 x 24	---	---	---	---	---	1	---	
	6	102+70	RT	R7-5D	2 HOUR PARKING 9AM-5PM - DOUBLE ARROW	18 x 24	---	---	---	---	---	1	1	
	7	104+13	RT	R3-1	NO RIGHT TURN SYMBOL	24 x 24	---	---	---	---	---	1	1	
	8	104+38	RT	R5-1	DO NOT ENTER	30 x 30	---	---	---	---	---	1	1	
	9	104+78	RT	R1-1	STOP	30 x 30	---	---	---	---	---	1	1	
	10	104+78	RT	R5-1	DO NOT ENTER	30 x 30	---	---	---	---	---	1	---	
	11	104+78	RT		E FIFTH ST	- x -	---	---	---	---	1	---	---	MOVE
	12	104+78	RT		N SAWYER ST	- x -	---	---	---	---	1	---	---	MOVE
	13	105+25	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	---	---	---	---	---	1	1	25 MPH
	14	105+25	RT	R7-5D	2 HOUR PARKING 9AM-5PM - DOUBLE ARROW	18 x 24	---	---	---	---	---	1	---	
	15	104+39	LT	R1-1	STOP	30 x 30	5.18	---	---	1	---	---	---	
	16	100+42	LT	R1-1	STOP	30 x 30	5.18	---	---	1	---	---	---	
	17	104+78	RT	R1-1	STOP	30 x 30	5.18	---	---	1	---	---	---	
	18	105+23	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	---	---	25 MPH
	19	109+84	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	---	---	---	---	1	1	
	20	108+75	RT	R-83RA5	NO PARKING THIS SIDE OF STREET	18 x 24	---	---	---	---	---	1	1	
	21	109+13	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	---	---	---	---	1	1	
	22	109+86	RT	R1-2	YIELD	36 x 31	---	---	---	---	---	1	1	
	23	109+84	RT		E FIFTH ST	- x -	---	---	---	---	1	---	---	MOVE
	24	109+84	RT		N ANDREWS ST	- x -	---	---	---	---	1	---	---	MOVE
	25	109+94	LT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	1	---	---	---	
	26	108+76	RT	R-83RA5	NO PARKING THIS SIDE OF STREET	18 x 24	3.00	---	1	---	---	---	---	
	27	109+12	RT	W11-2	PEDESTRIAN CROSSING SYMBOL	30 x 30	---	6.25	---	1	---	---	---	
	28	109+84	RT	R1-1	STOP	30 x 30	5.18	---	---	1	---	---	---	
	29	114+05	RT	R1-1	STOP	30 x 30	---	---	---	---	---	1	1	
	30	114+05	RT		E FIFTH ST	- x -	---	---	---	---	1	---	---	MOVE
	31	114+05	RT		N LINCOLN ST	- x -	---	---	---	---	1	---	---	MOVE
	32	114+05	RT	R1-1	STOP	30 x 30	5.18	---	---	1	---	---	---	
	33	116+36	LT	R1-2	YIELD	36 x 31	---	---	---	---	---	1	1	
	34	116+73	LT	W14-1	DEAD END	30 x 30	---	---	---	---	---	1	1	
	35	117+44	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	---	---	---	---	---	1	1	25 MPH
	36	119+46	LT	R1-2	YIELD	36 x 31	---	---	---	---	---	1	1	
	37	116+79	RT	R1-2	YIELD	36 x 31	---	---	---	---	---	1	1	
	38	116+78	RT		E FIFTH ST	- x -	---	---	---	---	1	---	---	MOVE
	39	116+78	RT		N UNION ST	- x -	---	---	---	---	1	---	---	MOVE
	40	118+09	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	---	---	---	---	---	1	1	25 MPH
	41	119+85	RT	R1-2	YIELD	36 x 31	---	---	---	---	---	1	1	
	42	119+85	RT		E FIFTH ST	- x -	---	---	---	---	1	---	---	MOVE
	43	119+85	RT		N HAMLIN ST	- x -	---	---	---	---	1	---	---	MOVE
	44	116+38	LT	R1-1	STOP	30 x 30	5.18	---	---	1	---	---	---	
	45	116+75	LT	W14-1	DEAD END	30 x 30	---	6.25	---	1	---	---	---	
	46	117+43	LT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	---	---	25 MPH
	47	119+47	LT	R1-1	STOP	30 x 30	5.18	---	---	1	---	---	---	
	48	116+78	RT	R1-1	STOP	30 x 30	5.18	---	---	1	---	---	---	
	49	118+16	RT	R2-1	SPEED LIMIT_ MPH	24 x 30	5.00	---	---	1	---	---	---	25 MPH
	50	119+85	RT	R1-1	STOP	30 x 30	5.18	---	---	1	---	---	---	
					TOTALS		64.62	18.75	1	15	10	24	20	

3

FINISHING ITEMS

CATEGORY	STATION - STATION	LOCATION	625.0100 TOPSOIL SY	627.0200 MULCHING SY	628.2006 EROSION MAT URBAN CLASS I TYPE A SY	629.0210 FERTILIZER TYPE B CWT	630.0140 SEEDING MIXTURE NO. 40 LB	630.0300 SEEDING BORROW PIT LB	630.0500 SEED WATER MGAL
0010	BOP - 111+94	LT/RT	680	---	680	0.4	18.5	---	2
	111+94 - 115+31	LT/RT	560	---	560	0.4	15.0	---	1
	115+31 - EOP	LT/RT	280	---	280	0.2	7.5	---	1
	WASTE SITE	---	---	2,500	---	1.6	---	34	6
	UNDISTRIBUTED	LT/RT	380	625	380	0.6	10.2	8	1
		TOTALS	1,900	3,125	1,900	3.2	51.2	42	11

INLET PROTECTION SUMMARY

CATEGORY	STATION - STATION	LOCATION	628.7005 INLET PROTECTION TYPE A EACH	628.7015 INLET PROTECTION TYPE C EACH	628.7020 INLET PROTECTION TYPE D EACH
0010	BOP - 111+94	LT/RT	2	4	4
	111+94 - 115+31	LT/RT	2	3	3
	115+31 - EOP	LT/RT	4	8	2
	UNDISTRIBUTED	---	2	3	1
		TOTALS	10	18	10

TRACKING PADS

CATEGORY	LOCATION	628.7560 EACH
0010	UNDISTRIBUTED	5
	TOTAL	5

FIELD OFFICE TYPE C

CATEGORY	PROJECT	642.5201 EACH
0010	6997-04-70	1

TRAFFIC CONTROL

CATEGORY	PROJECT	643.5000 EACH
0010	6997-04-70	1

TRAFFIC CONTROL

CATEGORY	STAGE	DURATION (DAYS)	643.0300 TRAFFIC CONTROL DRUMS EACH	643.0300 TRAFFIC CONTROL DRUMS DAY	643.0420 TRAFFIC CONTROL BARRICADES TYPE III EACH	643.0420 TRAFFIC CONTROL BARRICADES TYPE III DAY	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A EACH	643.0705 TRAFFIC CONTROL WARNING LIGHTS TYPE A DAY	643.0900 TRAFFIC CONTROL SIGNS EACH	643.0900 TRAFFIC CONTROL SIGNS DAY	643.1050 TRAFFIC CONTROL SIGNS PCMS EACH	643.1050 TRAFFIC CONTROL SIGNS PCMS DAY
0010	ADVANCE WARNING	107	10	1,070	30	3,210	52	5,564	45	4,815	2	14
	PEDESTRIAN DETOUR	107	0	0	0	0	13	1,391	36	3,852	0	0
	SUBTOTALS			1,070		3,210		6,955		8,667		14
	UNDISTRIBUTED			54		161		348		433		0
	TOTALS			1,124		3,371		7,303		9,100		14

PAVEMENT MARKING

CATEGORY	STATION - STATION	LOCATION	646.1020 MARKING LINE EPOXY 4-INCH (DOUBLE YELLOW) LF	646.6120 MARKING STOP LINE EPOXY 18-INCH LF	646.7420 MARKING CROSSWALK EPOXY TRANSVERSE LINE 6-INCH LF	646.8120 MARKING CURB EPOXY LF
0010	BOP - 111+94	LT/RT	280	62	560	550
	111+94 - 115+31	LT/RT	---	20	240	---
	115+31 - EOP	LT/RT	---	30	270	---
	TOTALS		280	112	1,070	550

CONSTRUCTION STAKING

CATEGORY	STATION - STATION	LOCATION	650.4500 SUBGRADE LF	650.5000 BASE LF	650.5500 CURB GUTTER AND CURB & GUTTER LF	650.9000 CURB RAMPS EACH	650.9920 SLOPE STAKES LF
0010	BOP - 111+94	LT/RT	1,180	1,180	1,000	9	1,180
	111+94 - 115+31	LT/RT	335	335	670	4	335
	115+31 - EOP	LT/RT	385	385	455	4	385
		TOTALS	1,900	1,900	2,125	17	1,900

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CONSTRUCTION STAKING SIDEWALK

CATEGORY	PROJECT	650.9500 EACH
0010	6997-04-70	1

CONSTRUCTION STAKING SUPPLEMENTAL CONTROL

CATEGORY	PROJECT	650.9911 EACH
0010	6997-04-70	1

SAWING ASPHALT

CATEGORY	STATION - STATION	LOCATION	690.0150 LF
0010	BOP - 111+94	LT/RT	550
	111+94 - 115+31	LT/RT	150
	115+31 - EOP	LT/RT	84
	UNDISTRIBUTED	---	120
		TOTAL	904

SAWING CONCRETE

CATEGORY	STATION - STATION	LOCATION	690.0250 LF
0010	BOP - 111+94	LT/RT	535
	111+94 - 115+31	LT/RT	38
	115+31 - EOP	LT/RT	99
	UNDISTRIBUTED	---	110
		TOTAL	782

TRANSPORTATION PROJECT PLAT TITLE SHEET
PROJECT: 6997-04-00
C SHAWANO, E FIFTH STREET
(N MAIN STREET-N HAMLIN STREET)
LOCAL STREET
SHAWANO COUNTY

CONVENTIONAL SYMBOLS

SECTION LINE
QUARTER LINE
SIXTEENTH LINE
NEW REFERENCE LINE
NEW R/W LINE
EXISTING R/W OR HE LINE
PROPERTY LINE
LOT, TIE & OTHER MINOR LINES
SLOPE INTERCEPT
CORPORATE LIMITS
UNDERGROUND FACILITY (COMMUNICATIONS, ELECTRIC, ETC)
NEW R/W (FEE OR HE) (HATCHING VARIES BY OWNER)
TEMPORARY LIMITED EASEMENT AREA
EASEMENT AREA (PERMANENT LIMITED OR RESTRICTED DEVELOPMENT)
TRANSMISSION STRUCTURES
BUILDING
TO BE REMOVED
BRIDGE
CULVERT

SECTION CORNER SYMBOL
SECTION CORNER MONUMENT
GEODETIC SURVEY MONUMENT
SIXTEENTH CORNER MONUMENT
SIGN
OFF-PREMISE SIGN
ELECTRIC POLE
TELEPHONE POLE
PEDESTAL (LABEL TYPE) (TV, TEL, ELEC, ETC.)
ACCESS RESTRICTED BY ACQUISITION
NO ACCESS (BY STATUTORY AUTHORITY)
ACCESS RESTRICTED (BY PREVIOUS PROJECT OR CONTROL)
NO ACCESS (NEW HIGHWAY)
PARCEL NUMBER 25
UTILITY NUMBER 40
PARALLEL OFFSETS

R/W MONUMENT (TO BE SET)
NON-MONUMENTED R/W POINT
FOUND IRON PIN (3/4-INCH CAPPED REBAR UNLESS NOTED) IP

COMPENSABLE / NON-COMPENSABLE

CONVENTIONAL ABBREVIATIONS

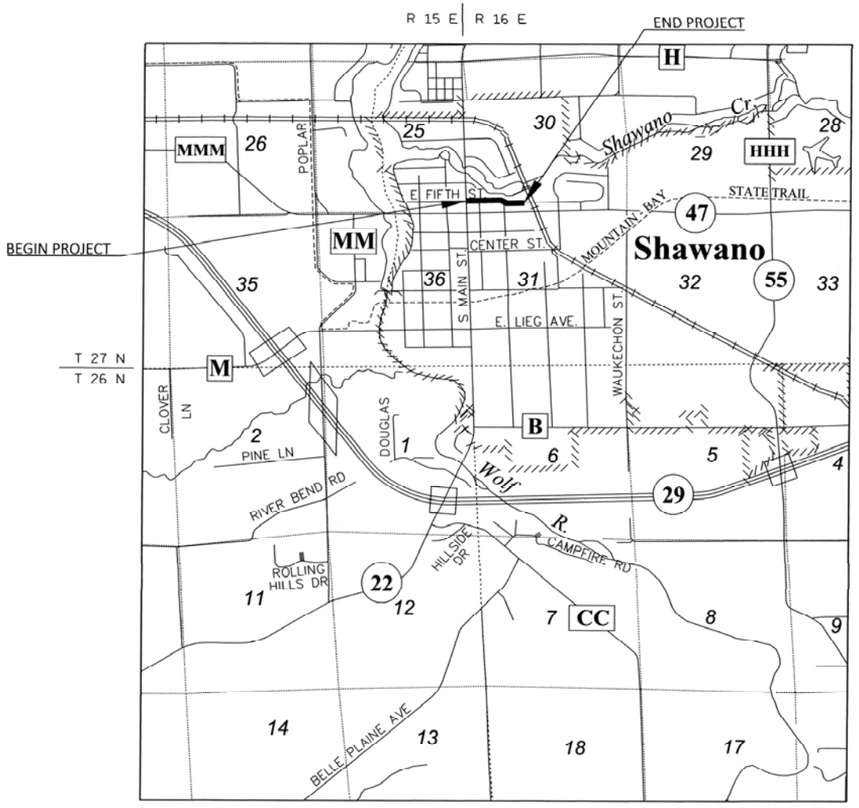
ACCESS RIGHTS	AR	POINT OF INTERSECTION	PI
ACRES	AC	PROPERTY LINE	PL
AHEAD	AH	RECORDED AS	(100')
ALUMINUM	ALUM	REEL / IMAGE	R/I
AND OTHERS	ET AL	REFERENCE LINE	R/L
BACK	BK	REMAINING	REM
BLOCK	BLK	RESTRICTIVE DEVELOPMENT EASEMENT	RDE
CENTERLINE	C/L	RIGHT	RT
CERTIFIED SURVEY MAP	CSM	RIGHT OF WAY	R/W
CONCRETE	CONC	SECTION	SEC
COUNTY	CO	SEPTIC VENT	SEPV
COUNTY TRUNK HIGHWAY	CTH	SQUARE FEET	SF
DISTANCE	DIST	STATE TRUNK HIGHWAY	STH
CORNER	COR	STATION	STA
DOCUMENT NUMBER	DOC	TELEPHONE PEDESTAL	TP
EASEMENT	EASE	TEMPORARY LIMITED EASEMENT	TLE
EXISTING	EX	TRANSPORTATION PROJECT PLAT	TPP
GAS VALVE	GV	UNITED STATES HIGHWAY	USH
GRID NORTH	GN	VOLUME	V
HIGHWAY EASEMENT	HE		
IDENTIFICATION	ID		
LAND CONTRACT	LC		
LEFT	LT		
MONUMENT	MON		
NATIONAL GEODETIC SURVEY	NGS		
NUMBER	NO		
OUTLOT	OL		
PAGE	P		
POINT OF TANGENCY	PT		
PERMANENT LIMITED EASEMENT	PLE		
POINT OF BEGINNING	POB		
POINT OF CURVATURE	PC		
POINT OF COMPOUND CURVE	PCC		

CURVE DATA

LONG CHORD	LCH
LONG CHORD BEARING	LCB
RADIUS	R
DEGREE OF CURVE	D
CENTRAL ANGLE	Δ/DELTA
LENGTH OF CURVE	L
TANGENT	T
DIRECTION AHEAD	DA
DIRECTION BACK	DB

CONVENTIONAL UTILITY SYMBOLS

W	WATER
G	GAS
T	TELEPHONE
OH	OVERHEAD TRANSMISSION LINES
E	ELECTRIC
TV	CABLE TELEVISION
FO	FIBER OPTIC
FM	FORCE MAIN
SAN	SANITARY SEWER
SS	STORM SEWER



LAYOUT
SCALE 0 1/2 MI.

THE NOTES,CONVENTIONAL SIGNS, AND ABBREVIATIONS ARE ASSOCIATED WITH EACH TRANSPORTATION PROJECT PLAT FOR PROJECT 6997-04-00.

NOTES:

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), SHAWANO COUNTY, NAD83(2011), IN U.S. SURVEY FEET. VALUES ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

ALL NEW RIGHT-OF-WAY MONUMENTS WILL BE TYPE 2 (TYPICALLY ¾" X 24" IRON REBARS), UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

ALL RIGHT-OF-WAY LINES DEPICTED IN THE NON-ACQUISITION AREAS ARE INTENDED TO RE-ESTABLISH EXISTING RIGHT-OF-WAY LINES AS DETERMINED FROM PREVIOUS PROJECTS, OTHER RECORDED DOCUMENTS, OR FROM CENTERLINE OF EXISTING PAVEMENTS.

RIGHT-OF-WAY BOUNDARIES ARE DEFINED WITH COURSES OF THE PERIMETER OF THE HIGHWAY LANDS REFERENCED TO THE U.S. PUBLIC LAND SURVEY SYSTEM OR OTHER "SURVEYS" OF PUBLIC RECORD.

DIMENSIONING FOR THE NEW RIGHT-OF-WAY IS MEASURED ALONG AND PERPENDICULAR TO THE NEW REFERENCE LINES.

A TEMPORARY LIMITED EASEMENT (TLE) IS A RIGHT FOR CONSTRUCTION PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON, THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE. ALL (TLEs) ON THIS PLAT EXPIRE AT THE COMPLETION OF THE CONSTRUCTION PROJECT FOR WHICH THIS INSTRUMENT IS GIVEN.

A PERMANENT LIMITED EASEMENT (PLE) IS A RIGHT FOR CONSTRUCTION AND MAINTENANCE PURPOSES, AS DEFINED HEREIN, INCLUDING THE RIGHT TO OPERATE NECESSARY EQUIPMENT THEREON AND THE RIGHT OF INGRESS AND EGRESS, AS LONG AS REQUIRED FOR SUCH PUBLIC PURPOSE, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE, BUT WITHOUT PREJUDICE TO THE OWNER'S RIGHTS TO MAKE OR CONSTRUCT IMPROVEMENTS ON SAID LANDS OR TO FLATTEN THE SLOPES, PROVIDING SAID ACTIVITIES WILL NOT IMPAIR OR OTHERWISE ADVERSELY AFFECT THE HIGHWAY FACILITIES.

AN EASEMENT FOR HIGHWAY PURPOSES (HE), AS LONG AS SO USED, INCLUDING THE RIGHT TO PRESERVE, PROTECT, REMOVE, OR PLANT THEREON ANY VEGETATION THAT THE HIGHWAY AUTHORITIES MAY DEEM DESIRABLE.

PROPERTY LINES SHOWN ON THIS PLAT ARE DRAWN FROM DATA DERIVED FROM MAPS AND DOCUMENTS OF PUBLIC RECORD AND/OR EXISTING OCCUPATIONAL LINES. THIS PLAT MAY NOT BE A TRUE REPRESENTATION OF EXISTING PROPERTY LINES, EXCLUDING RIGHT-OF-WAY, AND SHOULD NOT BE USED AS A SUBSTITUTE FOR AN *ACCURATE FIELD SURVEY*.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF SHAWANO.

PARCEL AND UTILITY IDENTIFICATION NUMBERS MAY NOT POINT TO ALL AREAS OF ACQUISITION, AS NOTED ON THE TPP DETAIL PAGES.

INFORMATION FOR THE BASIS OF EXISTING HIGHWAY RIGHT-OF-WAY POINTS OF REFERENCE AND ACCESS CONTROL ARE LISTED ON THE TPP DETAIL PAGES.

PROJECT NUMBER 6997-04-00-4.01
SHEET 2 OF 2

TRANSPORTATION PROJECT PLAT NO: 6997-04-00-4.01

THAT PART OF LOT 1 OF CSM 4439 AND PART OF LOT 1 OF CSM 2719 AND PART OF LOT 1 OF CSM 4291 AND PART OF LOTS 1 & 2 OF CSM 4612 AND PART OF LOTS 6 & 7, BLOCK 25 AND PART OF LOT 1, BLOCK 26 AND PART OF LOTS 1, 2 & 3, BLOCK 30 AND PART OF LOTS 2, 3, & 4, BLOCK 29 AND PART OF LOT 2, BLOCK 28 OF ASSESSOR'S PLAT OF THE CITY OF SHAWANO AND PART OF LOT 2, BLOCK 27 OF SAWYER AND ANDREW'S PLAT OF THE VILLAGE OF SHAWANO AND PART OF VACATED LINCOLN STREET BEING LOCATED IN THE SOUTHWEST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 30, T 27 N, R 16 E, CITY OF SHAWANO, SHAWANO COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET C SHAWANO, E FIFTH STREET (N MAIN STREET-N HAMLIN STREET) SHAWANO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHAWANO DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHAWANO HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHAWANO, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

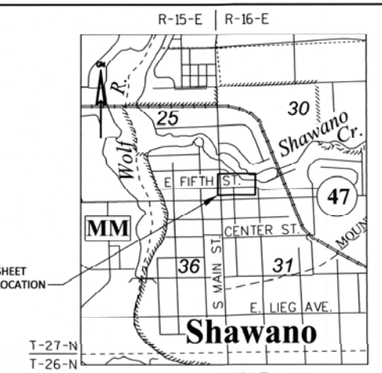
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

PARCEL NUMBER	OWNER'S	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	HE	TLE S.F.
1	P & D QUALITY PROPERTIES, LLC	HE,TLE	---	---	---	37	1477
2	TONI PROPERTIES LLC	TLE	---	---	---	---	161
3	HARBOR PROPERTY LLC	TLE	---	---	---	---	338
4	WOLF RIVER PLAZA LLC	FEE,TLE	96	---	96	---	1771
6	GENEX COOPERATIVE, INC.	TLE	---	---	---	---	2186
7	CITY OF SHAWANO	TLE	---	---	---	---	3630
8	SANDRA L. KING	TLE	---	---	---	---	1458
9	POMP;S TIRE SERVICE, INC.	TLE	---	---	---	---	1733
11	KORT D. KNOPE, JEFFREY D. KNOPE, & PATRICT A. TRINKO	FEE,TLE	42	---	42	---	2447
12	THE SHAWANO COUNTY HOUSING AUTHORITY	TLE	---	---	---	---	897

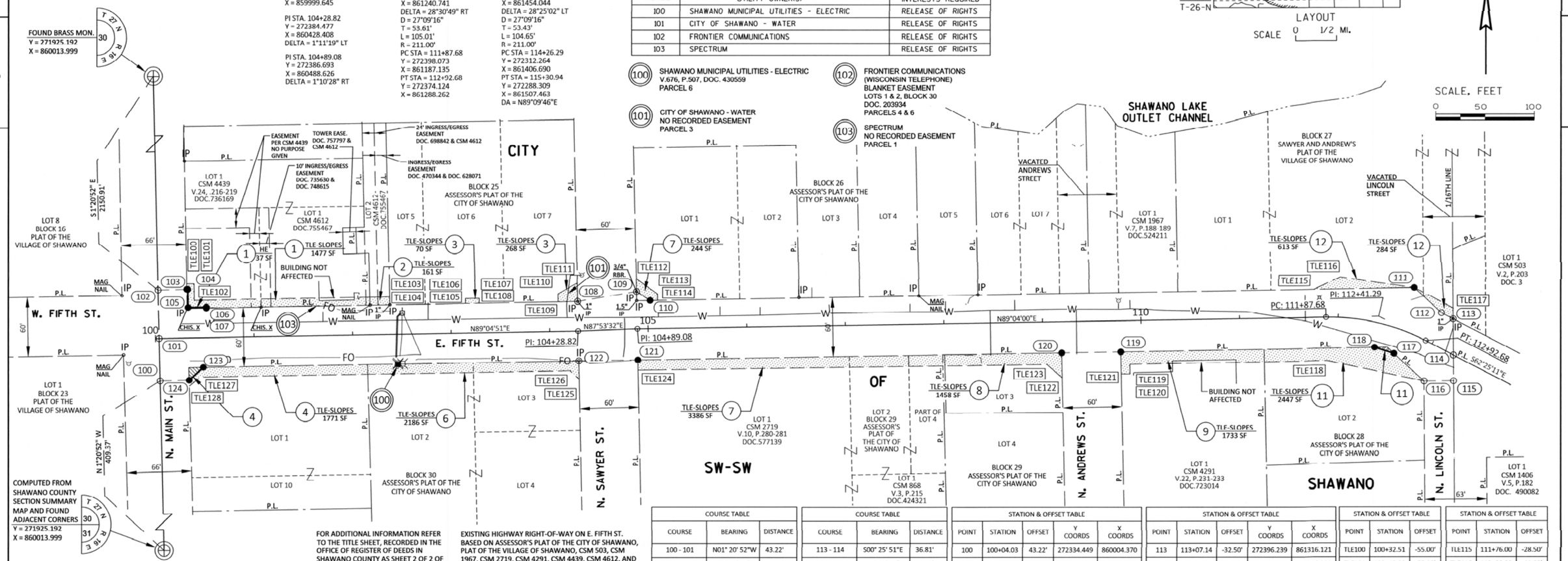
UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
100	SHAWANO MUNICIPAL UTILITIES - ELECTRIC	RELEASE OF RIGHTS
101	CITY OF SHAWANO - WATER	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS
103	SPECTRUM	RELEASE OF RIGHTS



DOC # 770796
Recorded
October 04, 2022 1:24 PM
Amy Dillenburg
Register of Deeds
Shawano WI
Fee Amount: $25.00
Slice B - 317

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6997 04 00 4.01
SHEET 1 OF 2



COURSE TABLE		
COURSE	BEARING	DISTANCE
100 - 101	N01° 20' 52"W	43.22'
101 - 102	N01° 20' 52"W	49.09'
102 - 103	N88° 39' 08"E	29.19'
103 - 104	N89° 38' 19"E	0.97'
104 - 105	S00° 55' 09"E	18.30'
105 - 106	N89° 04' 51"E	18.50'
106 - 107	S00° 55' 09"E	1.00'
107 - 108	N89° 04' 51"E	376.82'
108 - 109	N80° 30' 13"E	60.62'
109 - 110	S56° 33' 15"E	16.45'
110 - 111	N89° 03' 60"E	775.28'
111 - 112	S47° 09' 31"E	37.61'
112 - 113	S62° 25' 11"E	13.44'

COURSE TABLE		
COURSE	BEARING	DISTANCE
113 - 114	S00° 25' 51"E	36.81'
114 - 115	S00° 25' 51"E	26.33'
115 - 116	S89° 34' 09"W	30.00'
116 - 117	N47° 09' 31"W	41.65'
117 - 118	N72° 33' 47"W	20.63'
118 - 119	S89° 03' 60"W	257.45'
119 - 120	S89° 03' 60"W	60.00'
120 - 121	S89° 03' 60"W	429.89'
121 - 122	S89° 19' 10"W	60.00'
122 - 123	S89° 04' 51"W	381.07'
123 - 124	S47° 17' 22"W	19.51'
124 - 100	S88° 39' 08"W	29.43'

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
100	100+04.03	43.22'	272334.449	860004.370
101	100+03.71	0.00'	272377.658	860003.353
102	100+03.34	-49.09'	272426.735	860002.199
103	100+32.53	-49.31'	272427.422	860031.383
104	100+33.50	-49.30'	272427.428	860032.350
105	100+33.50	-31.00'	272409.132	860032.644
106	100+52.00	-31.00'	272409.429	860051.141
107	100+52.00	-30.00'	272408.429	860051.157
108	104+29.44	-29.99'	272414.473	860427.927
109	0+00.00	0.00'	272424.475	860487.720
110	105+02.37	-28.50'	272415.406	860501.450
111	112+63.50	-44.84'	272428.035	861276.631
112	112+93.70	-32.50'	272402.462	861304.208

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
113	113+07.14	-32.50'	272396.239	861316.121
114	113+24.43	0.00'	272359.428	861316.398
115	113+36.79	23.25'	272333.099	861316.596
116	113+10.31	37.33'	272332.873	861286.597
117	112+67.03	25.00'	272361.191	861256.061
118	112+43.62	25.00'	272367.371	861236.383
119	109+78.97	31.50'	272363.178	860978.967
120	109+18.97	31.50'	272362.200	860918.975
121	104+88.43	31.49'	272355.197	860489.139
122	0+00.00	0.00'	272354.485	860429.141
123	100+48.00	30.00'	272348.372	860048.120
124	100+33.46	43.00'	272335.141	860033.787

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE100	100+32.51	-55.00'
TLE101	100+40.00	55.00'
TLE102	100+40.00	-38.00'
TLE103	102+38.18	-38.00'
TLE104	102+38.24	-30.00'
TLE105	103+15.00	-30.00'
TLE106	103+15.00	-35.00'
TLE107	103+29.00	-35.00'
TLE108	103+29.00	-30.00'
TLE109	104+09.00	-30.00'
TLE110	104+09.00	-38.04'
TLE111	104+29.72	-49.00'
TLE112	0+00.00	0.00'
TLE113	105+10.00	-35.00'
TLE114	105+10.00	-28.50'

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE115	111+76.00	-28.50'
TLE116	112+00.00	41.00'
TLE117	113+01.93	-42.28'
TLE118	111+88.00	44.00'
TLE119	109+88.00	44.00'
TLE120	109+88.00	54.00'
TLE121	109+79.07	54.00'
TLE122	109+19.08	57.00'
TLE123	109+04.00	43.00'
TLE124	104+88.26	42.00'
TLE125	0+00.00	0.00'
TLE126	104+20.00	40.00'
TLE127	100+45.00	40.00'
TLE128	100+33.52	49.00'

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHAWANO COUNTY AS SHEET 2 OF 2 OF THIS DOCUMENT.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), SHAWANO COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1-1/4" IRON PIPES UNLESS OTHERWISE NOTED.

ALL NEW RIGHT-OF-WAY MONUMENTS WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF SHAWANO.

EXISTING HIGHWAY RIGHT-OF-WAY ON E. FIFTH ST. BASED ON ASSESSOR'S PLAT OF THE CITY OF SHAWANO, PLAT OF THE VILLAGE OF SHAWANO, CSM 503, CSM 1967, CSM 2719, CSM 4291, CSM 4439, CSM 4612, AND VACATION EXHIBIT BY: J.A. MELENDY DATED: 9/20/1904.

EXISTING HIGHWAY RIGHT-OF-WAY ON N. MAIN ST. BASED ON ASSESSOR'S PLAT OF THE CITY OF SHAWANO, PLAT OF THE VILLAGE OF SHAWANO, AND CSM 4439.

EXISTING HIGHWAY RIGHT-OF-WAY ON N. SAWYER ST. BASED ON ASSESSOR'S PLAT OF THE CITY OF SHAWANO, AND CSM 2719.

EXISTING HIGHWAY RIGHT-OF-WAY ON N. ANDREWS ST. BASED ON ASSESSOR'S PLAT OF THE CITY OF SHAWANO, AND CSM 4291.

EXISTING HIGHWAY RIGHT-OF-WAY ON N. LINCOLN ST. BASED ON ASSESSOR'S PLAT OF THE CITY OF SHAWANO, CSM 1406, AND VACATION EXHIBIT BY: J.A. MELENDY DATED: 9/20/1904.

STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHAWANO I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE: 9/26/22
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF SHAWANO

SIGNATURE: Scott Knoepke DATE: 10/4/22
PRINT NAME: SCOTT KNOEPKE

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\RW\DWG\040101_RP.DWG
PLOT DATE : 9/29/2022 9:02 AM
PLOT BY : BARTELT, HEATHER
PLOT NAME :
PLOT SCALE : 1 IN:50 FT
APPRAISAL PLAT DATE : 9/29/22
LOCAL STREET
6997-04-00-4.01

TRANSPORTATION PROJECT PLAT NO: 6997-04-00-4.02

THAT PART OF LOT 1 OF CSM 503 AND PART OF LOT 1 OF CSM 1406 AND PART OF LOTS 2 & 3 BLOCK 8 AND PART OF LOTS 5, 6, 7, & 8, BLOCK 2 OF SHANAHAN'S ADDITION TO THE VILLAGE OF SHAWANO AND PART OF VACATED LINCOLN STREET BEING LOCATED IN THE SOUTHEAST 1/4 OF THE SOUTHWEST 1/4 IN SECTION 30, T 27 N, R 16 E, CITY OF SHAWANO, SHAWANO COUNTY, WISCONSIN.

RELOCATION ORDER LOCAL STREET C SHAWANO, E FIFTH STREET (N MAIN STREET-N HAMLIN STREET) SHAWANO COUNTY

TO PROPERLY ESTABLISH, LAY OUT, WIDEN, ENLARGE, EXTEND, CONSTRUCT, RECONSTRUCT, IMPROVE, OR MAINTAIN A PORTION OF THE HIGHWAY DESIGNATED ABOVE, THE CITY OF SHAWANO DEEMS IT NECESSARY TO RELOCATE OR CHANGE SAID HIGHWAY AND ACQUIRE CERTAIN LANDS AND INTERESTS OR RIGHTS IN LANDS FOR THE ABOVE PROJECT.

TO EFFECT THIS CHANGE, PURSUANT TO AUTHORITY GRANTED UNDER SECTION 62.22, WISCONSIN STATUTES, THE CITY OF SHAWANO HEREBY ORDERS THAT:
1. THAT PORTION OF SAID HIGHWAY AS SHOWN ON THIS PLAT IS LAID OUT AND ESTABLISHED TO THE LINES AND WIDTHS AS SO SHOWN FOR THE ABOVE PROJECT.
2. THE LANDS OR INTERESTS OR RIGHTS IN LANDS AS SHOWN ON THIS PLAT ARE REQUIRED BY THE CITY FOR THE ABOVE PROJECT AND SHALL BE ACQUIRED IN THE NAME OF THE CITY OF SHAWANO, PURSUANT TO THE PROVISIONS OF SECTION 62.22, WISCONSIN STATUTES.

PI STA = 114+79.72
Y = 272287.529
X = 861454.044
DELTA = 28°25'02" LT
D = 27°09'16"
T = 53.43'
L = 104.65'
R = 211.00'
PC STA = 114+26.29
Y = 272312.264
X = 861406.690
PT STA = 115+30.94
Y = 272288.309
X = 861507.463

PI STA. 119+34.30
Y = 272294.202
X = 861910.781
DELTA = 0°08'06" LT

PI STA. 119+94.68
Y = 272295.227
X = 861971.150
DELTA = 0°02'44" LT

POT STA. 121+00.39
Y = 272297.104
X = 862076.846
DELTA =

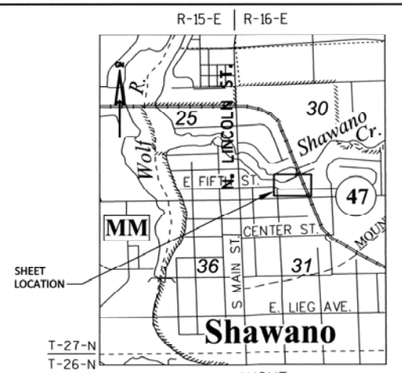
SCHEDULE OF LANDS & INTERESTS REQUIRED

OWNER'S NAMES ARE SHOWN FOR REFERENCE PURPOSES ONLY AND ARE SUBJECT TO CHANGE PRIOR TO THE TRANSFER OF LAND INTERESTS TO THE CITY

PARCEL NUMBER	OWNERS	INTERESTS REQUIRED	R/W S.F REQUIRED NEW	EXISTING	TOTAL	TLE S.F.
7	CITY OF SHAWANO	FEE,TLE	6	---	6	49
13	FOREST TOWERS	FEE,TLE	1	---	1	1650
14	REESE A. DEVEAU & LYNETTE R. DEVEAU REVOCABLE TRUST	FEE,TLE	9	---	9	268
16	GNI OF SHAWANO LLC	TLE	---	---	---	514
17	DALLAS A. TUCKER	TLE	---	---	---	449
18	LESTER N. SCHRIEBER LIFE ESTATE	TLE	---	---	---	702
19	HELEN M. HINKFUSS	TLE	---	---	---	636
21	MALUEG RENTALS LLC	TLE	---	---	---	389

UTILITY INTERESTS REQUIRED

UTILITY NUMBER	UTILITY OWNER(S)	INTERESTS REQUIRED
100	SHAWANO MUNICIPAL UTILITIES - ELECTRIC	RELEASE OF RIGHTS
101	CITY OF SHAWANO - WATER	RELEASE OF RIGHTS
102	FRONTIER COMMUNICATIONS	RELEASE OF RIGHTS



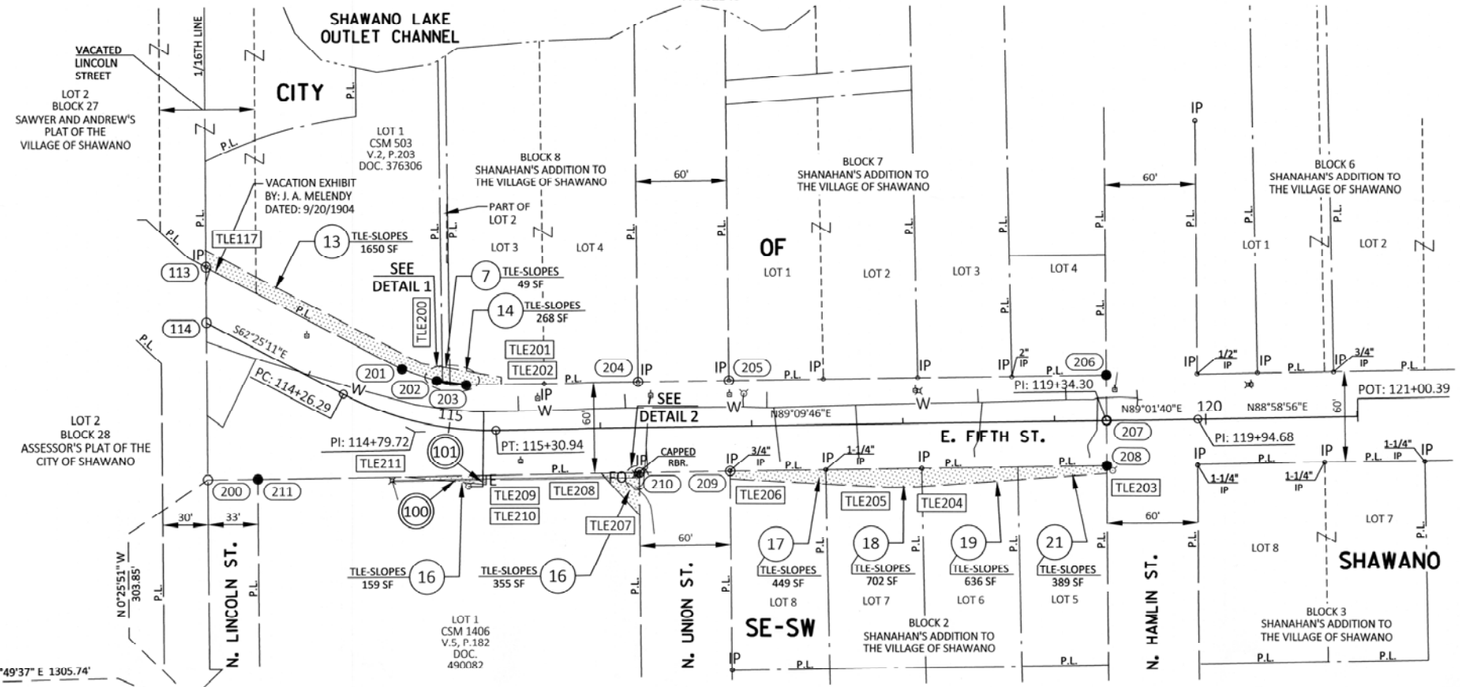
DOC # 770934
Recorded
October 12, 2022 9:20 AM
Amy Dillenburg
Register of Deeds
Shawano WI
Fee Amount: $25.00
Slide B-317

RESERVED FOR REGISTER OF DEEDS
PROJECT NUMBER 6997-04-00-4.02

(100) SHAWANO MUNICIPAL UTILITIES - ELECTRIC
NO RECORDED EASEMENT
PARCEL 16

(102) FRONTIER COMMUNICATIONS
NO RECORDED EASEMENT
PARCEL 16

(101) CITY OF SHAWANO - WATER
NO RECORDED EASEMENT
PARCEL 16



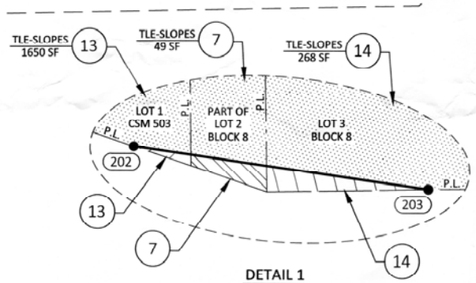
GN

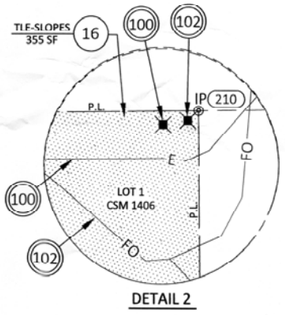
SCALE. FEET
0 50 100

COURSE TABLE		
COURSE	BEARING	DISTANCE
200 - 114	N00° 25' 51"W	103.67'
114 - 113	N00° 25' 51"W	36.81'
113 - 201	S62° 25' 11"E	146.00'
201 - 202	S71° 16' 11"E	24.22'
202 - 203	S81° 43' 25"E	19.71'
203 - 204	N89° 09' 46"E	113.48'
204 - 205	N89° 09' 46"E	60.00'
205 - 206	N89° 09' 46"E	249.22'
206 - 207	S00° 34' 06"E	30.00'
207 - 208	S00° 34' 06"E	30.00'
208 - 209	S89° 09' 46"W	248.93'
209 - 210	S89° 09' 46"W	60.00'
210 - 211	S89° 09' 46"W	252.17'
211 - 200	S89° 34' 09"W	33.00'

STATION & OFFSET TABLE				
POINT	STATION	OFFSET	Y COORDS	X COORDS
113	113+07.14	-32.50'	272396.239	861316.121
114	113+24.43	0.00'	272359.428	861316.398
200	113+73.11	91.53'	272255.760	861317.178
201	114+57.79	-30.49'	272328.642	861445.531
202	114+85.95	-29.00'	272320.866	861468.465
203	115+08.81	-29.00'	272318.028	861487.974
204	116+25.37	-30.00'	272319.686	861601.437
205	116+85.37	-30.00'	272320.562	861661.431
206	119+34.66	-30.00'	272324.203	861910.624
207	119+34.45	0.00'	272294.205	861910.922
208	119+34.30	30.00'	272264.205	861911.219
209	116+85.38	30.00'	272260.569	861662.317
210	116+25.38	30.00'	272259.692	861602.323
211	114+02.25	76.03'	272256.008	861350.177

STATION & OFFSET TABLE		
POINT	STATION	OFFSET
TLE117	113+01.93	-42.28'
TLE200	114+71.00	-38.00'
TLE201	115+34.99	-35.00'
TLE202	115+35.00	-30.00'
TLE204	118+08.00	42.00'
TLE205	117+91.00	42.00'
TLE206	116+85.36	35.00'
TLE207	116+25.29	58.00'
TLE208	116+00.00	30.00'
TLE209	115+25.00	30.10'
TLE210	115+25.00	36.00'
TLE211	114+79.00	37.49'





STRAND ASSOCIATES, INC. ®
910 WEST WINGRA DRIVE, MADISON, WI 53715
(608) 251-4843

I, HEATHER S. BARTELT PROFESSIONAL LAND SURVEYOR, HEREBY CERTIFY THAT IN FULL COMPLIANCE WITH THE PROVISIONS OF SECTION 84.095 OF THE WISCONSIN STATUTES AND UNDER THE DIRECTION OF THE CITY OF SHAWANO I HAVE SURVEYED AND MAPPED THIS TRANSPORTATION PROJECT PLAT AND SUCH PLAT CORRECTLY REPRESENTS ALL EXTERIOR BOUNDARIES OF THE SURVEYED LAND.

SIGNATURE: Heather Bartelt DATE:10/6/22
PRINT NAME: HEATHER S. BARTELT
REGISTRATION NUMBER: S-2797

WISCONSIN HEATHER S. BARTELT S-2797 MADISON WI LAND SURVEYOR

THIS PLAT AND RELOCATION ORDER ARE APPROVED FOR THE CITY OF SHAWANO

SIGNATURE: DATE: 10/6/22
PRINT NAME: SCOTT KRUEGER

FOR ADDITIONAL INFORMATION REFER TO THE TITLE SHEET, RECORDED IN THE OFFICE OF REGISTER OF DEEDS IN SHAWANO COUNTY AS SHEET 2 OF 2 OF DOCUMENT 770796.

POSITIONS SHOWN ON THIS PLAT ARE WISCONSIN COORDINATE REFERENCE SYSTEM COORDINATES (WISCRS), SHAWANO COUNTY, NAD83 (2011), IN U.S. SURVEY FEET. VALUES SHOWN ARE GRID COORDINATES, GRID BEARINGS, AND GRID DISTANCES. GRID DISTANCES MAY BE USED AS GROUND DISTANCES.

FOUND IRON PINS ARE 1" IRON PIPES UNLESS OTHERWISE NOTED.

ALL NEW RIGHT-OF-WAY MONUMENTS WIL BE TYPE 2 (TYPICALLY 3/4" X 24" IRON REBARS) UNLESS OTHERWISE NOTED, AND WILL BE PLACED PRIOR TO THE COMPLETION OF THE PROJECT.

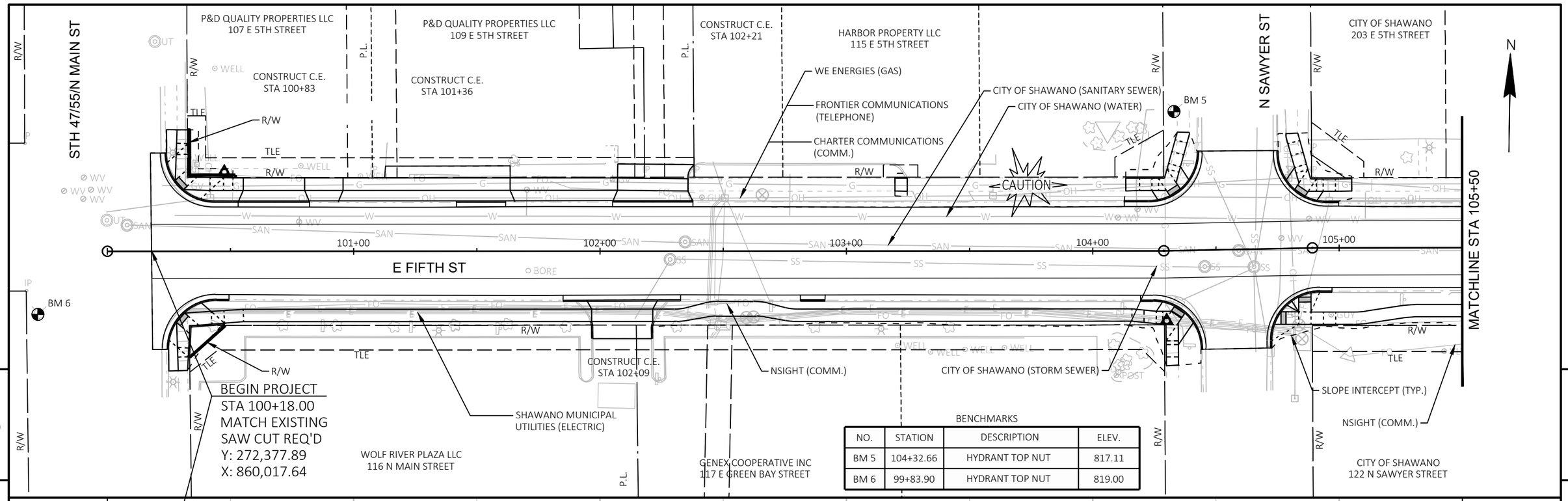
FOR THE CURRENT ACCESS/DRIVEWAY INFORMATION, CONTACT THE CITY OF SHAWANO.

EXISTING HIGHWAY RIGHT-OF-WAY ON E. FIFTH ST. BASED ON SHANAHAN'S ADDITION TO THE VILLAGE OF SHAWANO, CSM 503 AND CSM 1406.

EXISTING HIGHWAY RIGHT-OF-WAY ON N. LINCOLN BASED ON ASSESSOR'S PLAT OF THE CITY OF SHAWANO, CSM 1406, AND VACATION EXHIBIT BY: J.A. MELENDY DATED: 9/20/1904.

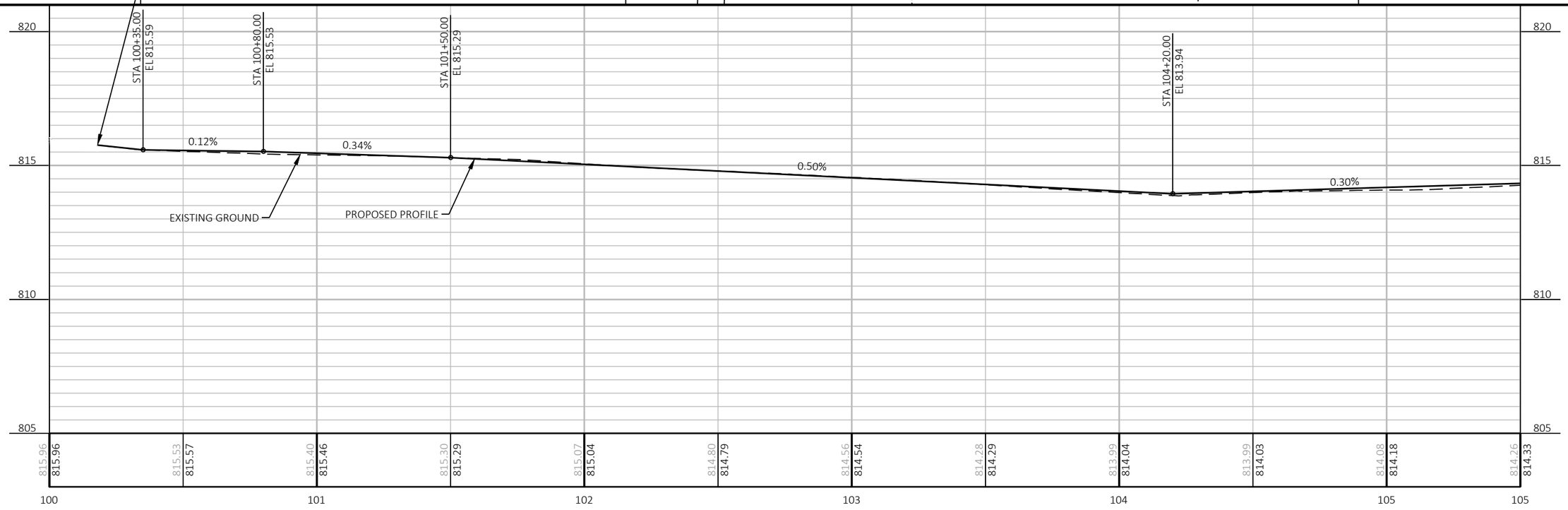
EXISTING HIGHWAY RIGHT-OF-WAY ON N. UNION ST. BASED ON SHANAHAN'S ADDITION TO THE VILLAGE OF SHAWANO, AND CSM 1406.

EXISTING HIGHWAY RIGHT-OF-WAY ON N. HAMLIN ST. BASED ON SHANAHAN'S ADDITION TO THE VILLAGE OF SHAWANO.



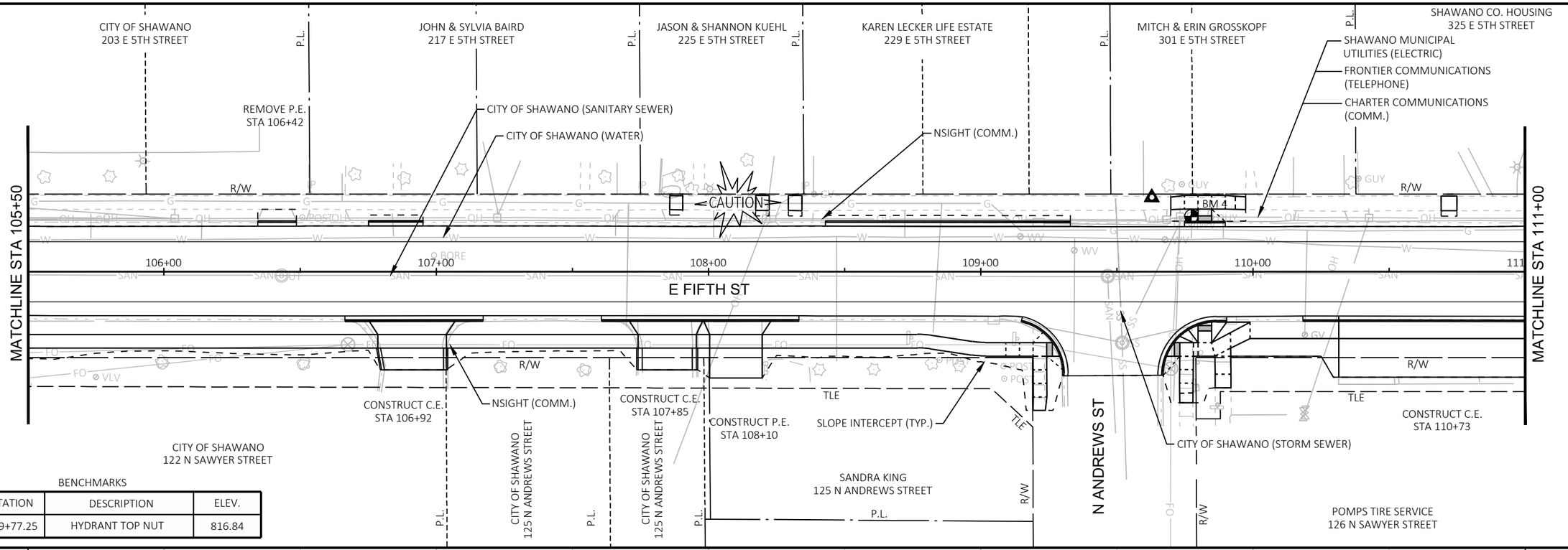
BENCHMARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 5	104+32.66	HYDRANT TOP NUT	817.11
BM 6	99+83.90	HYDRANT TOP NUT	819.00



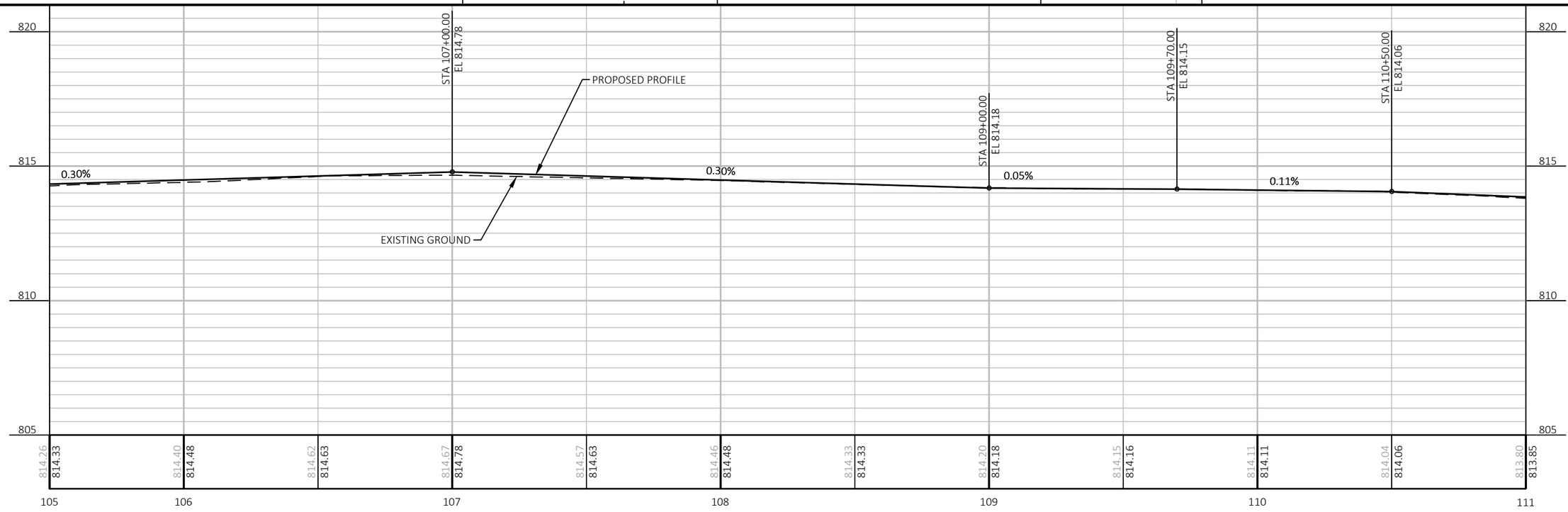
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PLAN AND PROFILE	SHEET 55	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050103-PP.DWG
LAYOUT NAME - 050101-pp
PLOT DATE : 11/17/2023 8:40 AM
PLOT BY : STANIOCH, DREW
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

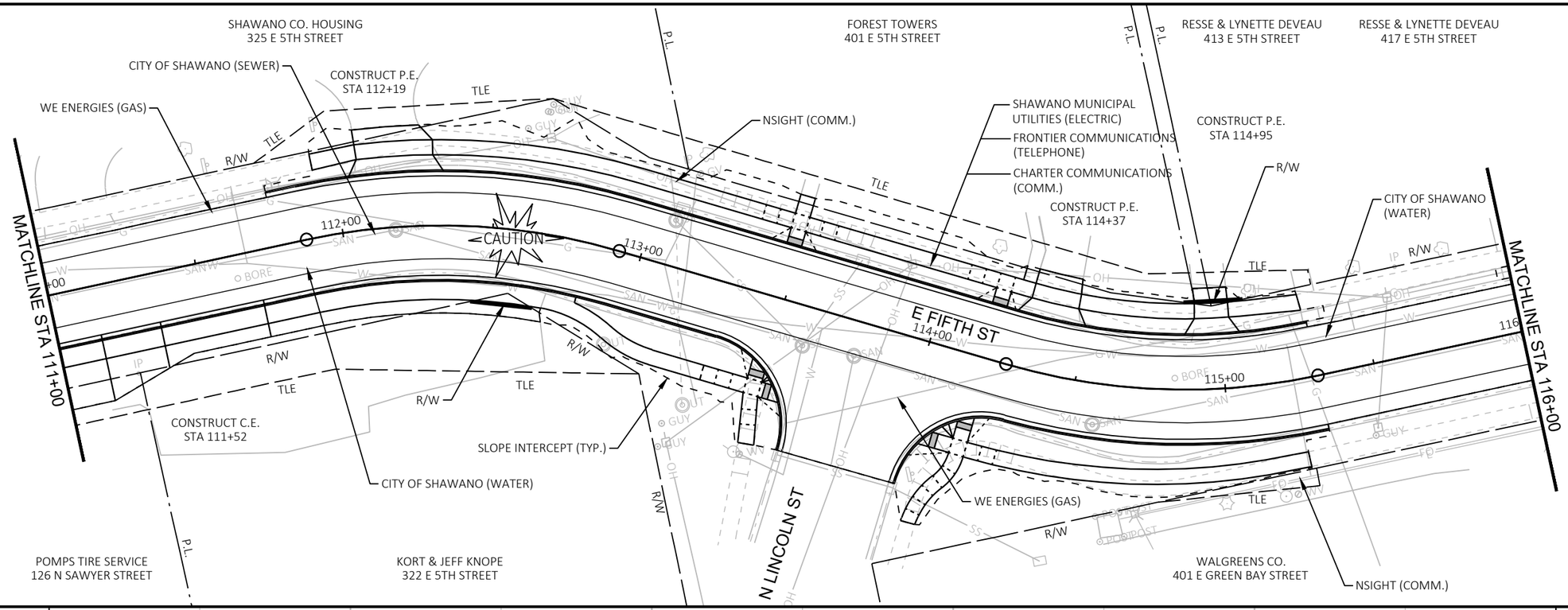


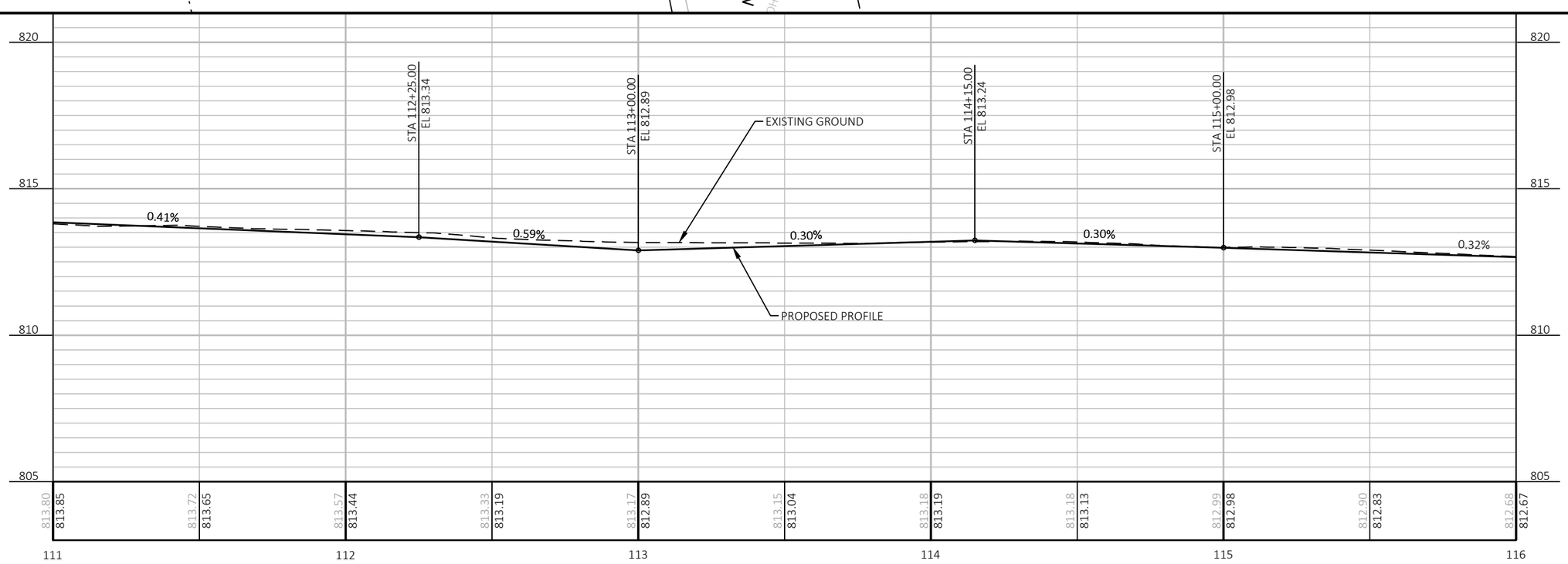
BENCHMARKS

NO.	STATION	DESCRIPTION	ELEV.
BM 4	109+77.25	HYDRANT TOP NUT	816.84



PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PLAN AND PROFILE	SHEET 56	E





PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PLAN AND PROFILE	SHEET 57	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050103-PP.DWG
LAYOUT NAME - 050103-pp

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME : PLOT SCALE : 1 IN:40 FT

WISDOT/CADDS SHEET 44

RESSE & LYNETTE DEVEAU
417 E 5TH STREET

WILFRED & MARY LOU FISCHER
503 E 5TH STREET

WILFRED & MARY LOU FISCHER
503 E 5TH STREET

MATTHEW VALIN &
ALLISON GIENKO
511 E 5TH STREET

RICHARD & SUSAN SCHUSTER
515 E 5TH STREET

JOSHUA KLEIST
601 E 5TH STREET

JOSHUA KLEIST
605 E 5TH STREET

N

CONSTRUCT P.E.
STA 117+85

SHAWANO MUNICIPAL
UTILITIES (ELECTRIC)

FRONTIER COMMUNICATIONS
(TELEPHONE)

CHARTER COMMUNICATIONS
(COMM.)

CITY OF SHAWANO (WATER)

WE ENERGIES (GAS)

MATCHLINE STA 116+00

117+00

118+00

119+00

120+00

121+00

E FIFTH ST

CAUTION

CITY OF SHAWANO (SEWER)

SLOPE INTERCEPT (TYP.)

WE ENERGIES (GAS)

CONSTRUCT P.E.
STA 118+64

CONSTRUCT P.E.
STA 118+00

END PROJECT
STA 119+15.53
MATCH EXISTING
SAW CUT REQ'D

END CONSTRUCTION
STA 119+33.74
MATCH EXISTING

NSIGHT
(FIBER)

N UNION ST

N HAMLIN ST

WALGREENS CO.
401 E GREEN BAY STREET

DALLAS TUCKER
504 E 5TH STREET

LESTER SCHRIEBER & KRISTY BLOM
508 E 5TH STREET

HELEN HINKFUSS
514 E 5TH STREET

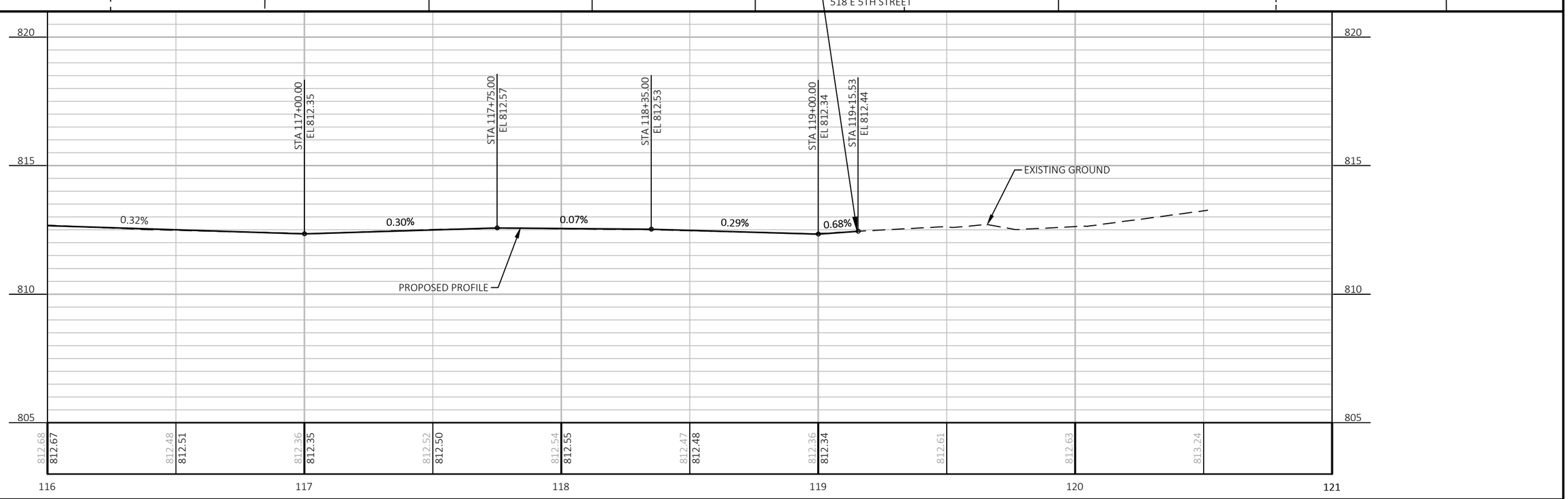
MALUEG RENTALS
518 E 5TH STREET

DONALD & SUSAN JAREK
120 N HAMLIN STREET

DONALD & ROGER JAREK
610 E 5TH STREET

5

5



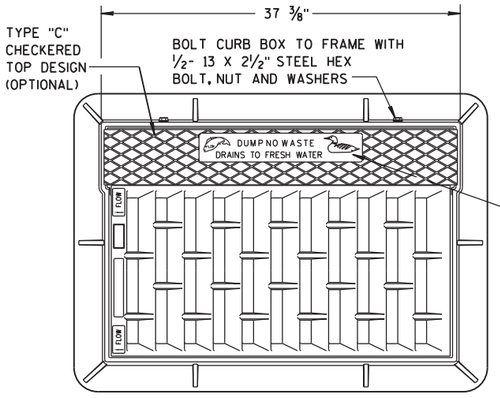
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	PLAN AND PROFILE	SHEET 58	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\050103-PP.DWG
LAYOUT NAME - 050104-pp
PLOT DATE : 7/14/2023 7:39 AM
PLOT BY : CARPENTER, ZACH
PLOT NAME :
PLOT SCALE : 1 IN:40 FT
WISDOT/CADDS SHEET 44

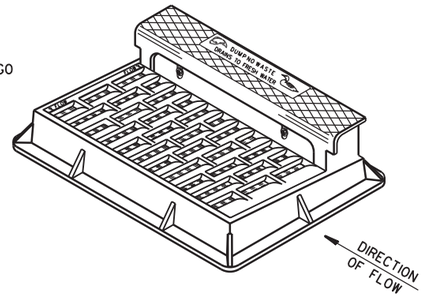
Standard Detail Drawing List

15C07-15B	PAVEMENT MARKING WORDS
15C07-15C	PAVEMENT MARKING ARROWS
15C07-15D	ROUNDABOUT ARROWS
15C08-23A	PERMANENT LONGITUDINAL PAVEMENT MARKINGS
15C08-23C	PAVEMENT MARKING (TURN LANES)
15C08-23D	PAVEMENT MARKING (TURN LANES)
15C09-13A	SIGNING AND PAVEMENT MARKING DETAILS FOR RAILROAD-HIGHWAY GRADE CROSSINGS
15C19-08A	MOVING PAVEMENT MARKING OPERATION TWO-LANE TWO-WAY ROADWAY
15C19-08B	MOVING PAVEMENT MARKING OPERATION MULTI-LANE UNDIVIDED ROADWAY
15C19-08C	MOVING PAVEMENT MARKING OPERATION MULTI-LANE DIVIDED ROADWAY
15C33-04	STOP LINE AND CROSSWALK PAVEMENT MARKING
15C35-06A	PAVEMENT MARKING (INTERSECTIONS)
15C35-06B	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15C35-06C	PAVEMENT MARKING AND SIGNING (CLIMBING LANE & PASSING LANE)
15D37-03	TRAFFIC CONTROL, 2-LANE ROUNDABOUT

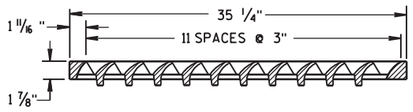
6

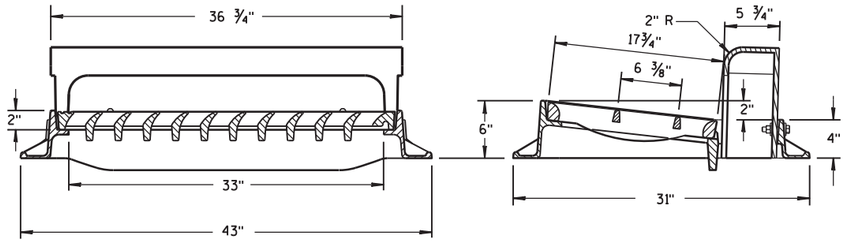


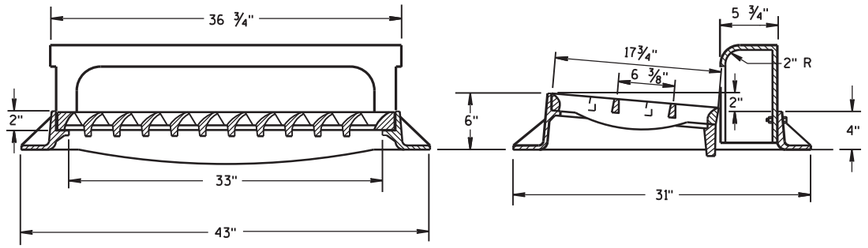
NOTE:
GRATE IS REVERSIBLE.



NOTE: CURB BOX HEIGHT ADJUSTABLE 6" TO 9"

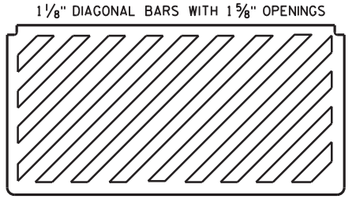






TYPE "H"

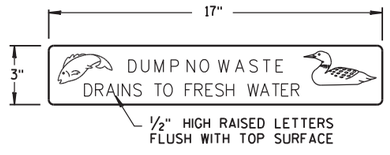
NOTE: EITHER CASTING IS ACCEPTABLE



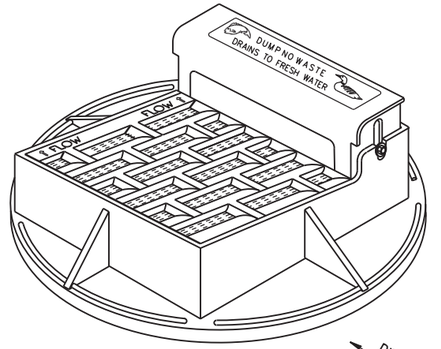
SPECIAL GRATE FOR TYPE "H" COVER

(MEASURES 35 1/4" X 17 3/4" X 2")

(NOTED AS TYPE H-S ON DRAINAGE TABLE)

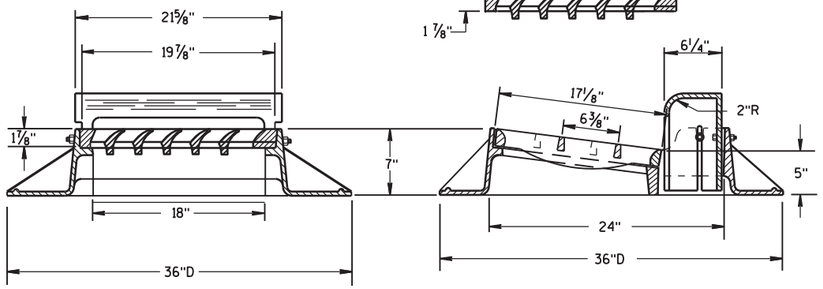


LOGO DETAIL



NOTE: CURB BOX ADJUSTABLE 4" TO 9"

NOTE:
GRATE IS REVERSIBLE.



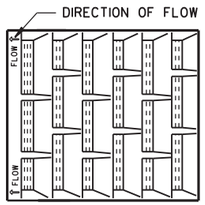
TYPE "A"

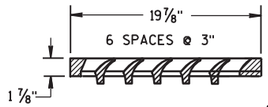
GENERAL NOTES

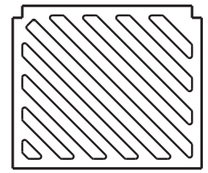
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR CATCH BASIN, MANHOLE AND INLET COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.



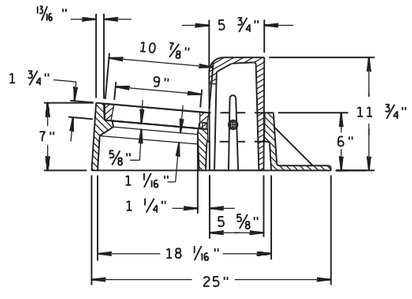


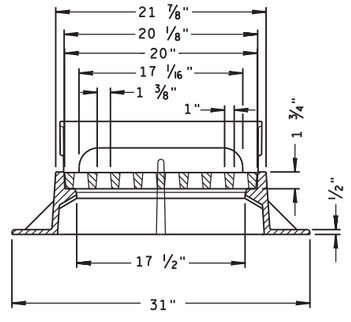


SPECIAL GRATE FOR TYPE "A" COVER

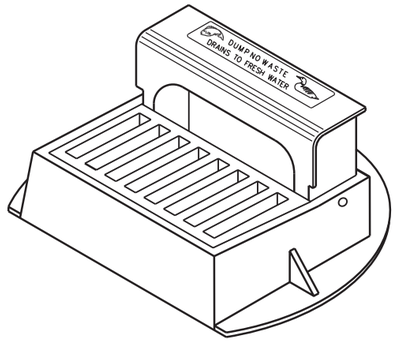
(MEASURES 19 3/4" X 17" X 1 7/8")

(NOTED AS TYPE A-S ON DRAINAGE TABLE)





TYPE "Z"

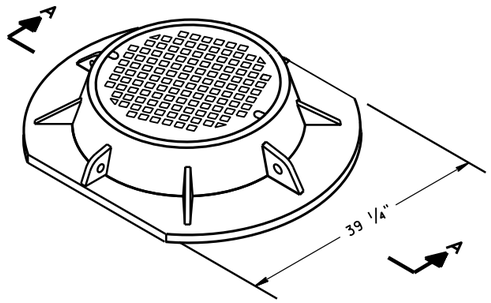


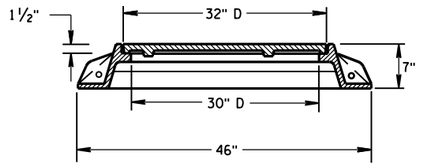
INLET COVERS TYPE A, H, A-S, H-S & Z

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

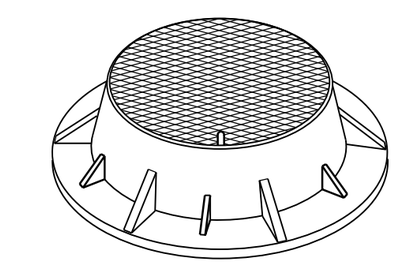
APPROVED
11-27-13 — DATE
/S/ Jerry H. Zogg — ROADWAY STANDARDS ENGINEER
FHWA

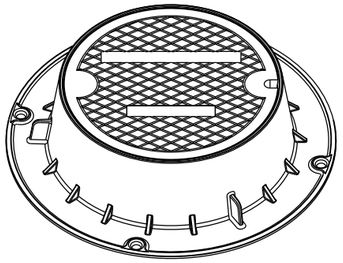
S.D.D. 8 A 5-19a

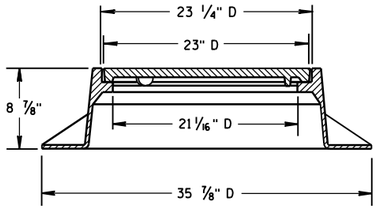


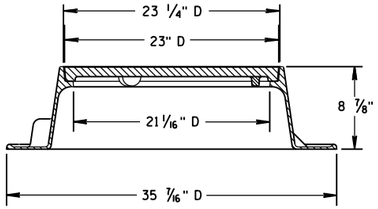


SECTION A-A
TYPE "K"









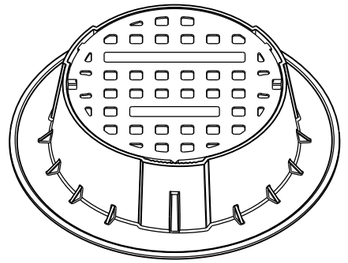
TYPE "J"
NOTE: EITHER CASTING IS ACCEPTABLE

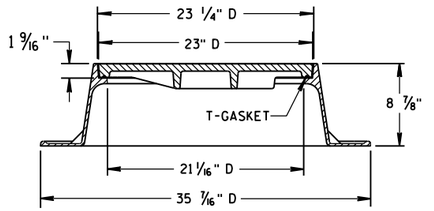
GENERAL NOTES

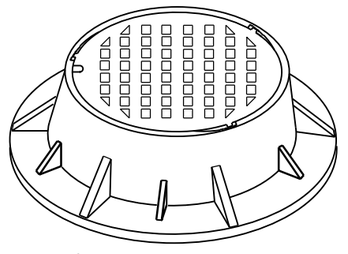
DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

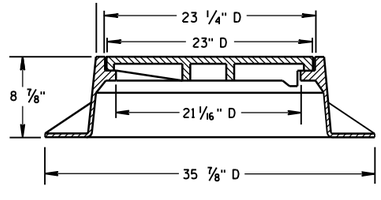
DETAIL DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR MANHOLE COVERS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ROUND FRAMES AND COVERS SHALL HAVE CONTINUOUSLY MACHINED BEARING SURFACES TO PREVENT ROCKING AND RATTLING.

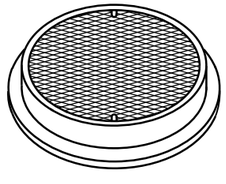


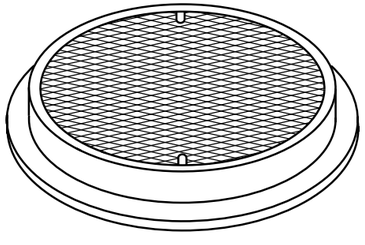


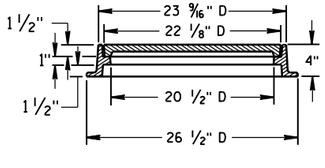




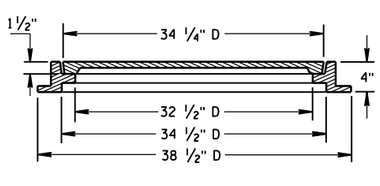
TYPE "J" SPECIAL
TYPE "B" NON-ROCKING SELF-SEAL LID
(NOTED AS TYPE J-S ON THE DRAINAGE TABLE)
NOTE: EITHER CASTING IS ACCEPTABLE



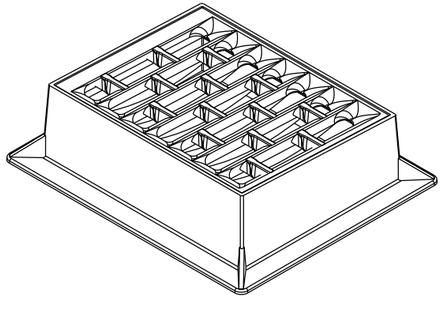


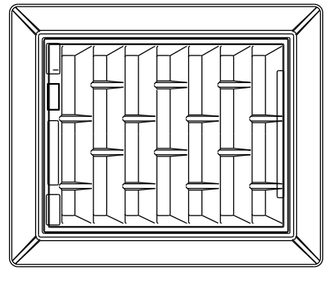


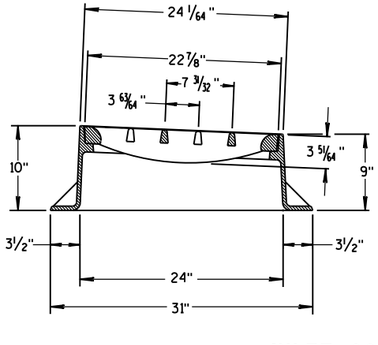
TYPE "L"

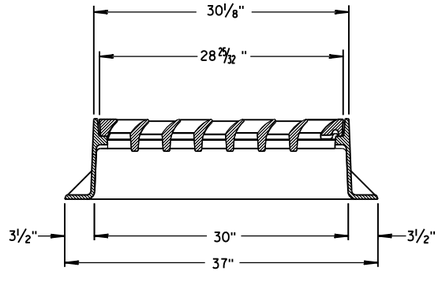


TYPE "M"









INLET COVER TYPE "BW"

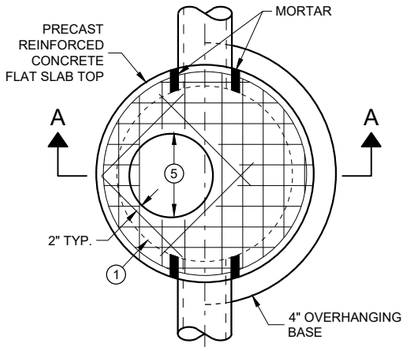
INLET COVER TYPE BW
MANHOLE COVERS, TYPE K, J, J-S, L & M

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

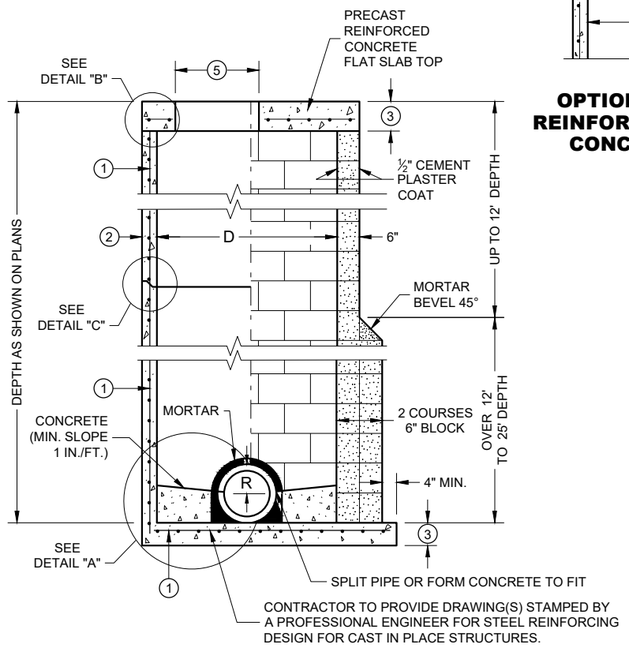
APPROVED
11/27/2013
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVELOPMENT ENGINEER
FHWA

6

S.D.D. 8 A 5-19d



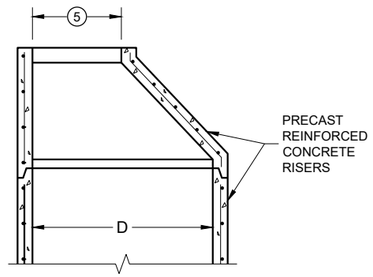
PLAN VIEW
CIRCULAR OPENING



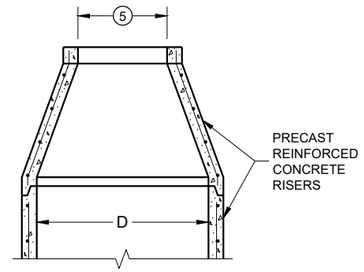
SECTION A - A

PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST IN PLACE OR PRECAST REINFORCED CONCRETE BASE (1)



OPTIONAL PRECAST REINFORCED CONCRETE ECCENTRIC TOP



OPTIONAL PRECAST REINFORCED CONCRETE CONCENTRIC TOP

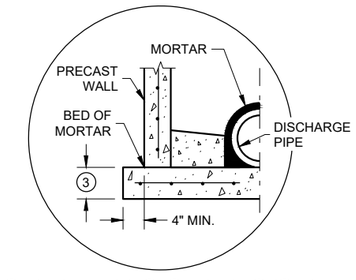
MANHOLE COVER OPENING MATRIX

OPENING SIZE (FT.) \ MANHOLE COVER TYPE	C	ALL J'S	K	L	M
2 DIA.	X	X		X	
3 DIA.			X		X

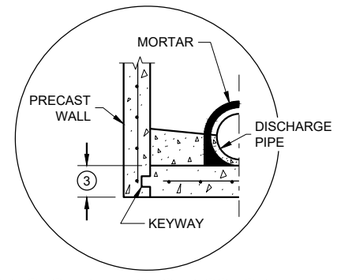
PIPE MATRIX

MANHOLE SIZE (DIA.)	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES		MINIMUM WALL THICKNESS (IN)	MINIMUM PRECAST FLAT SLAB TOP AND BASE THICKNESS
	180° SEPARATION (IN)	90° SEPARATION (IN)		
3-FT	15	12	4	6
4-FT	24	18	4	6
5-FT	36	24	5	8
6-FT	42	36	6	8
7-FT	48	36/42*	7	8
8-FT	60	42	8	8
9-FT	66	54	9	10
10-FT	72	60	10	10

*A 36" PIPE AND A 42" PIPE CAN BE PLACED WITHIN 90 DEGREES.
SEE MINIMUM HORIZONTAL PIPE SEPARATION DETAIL.

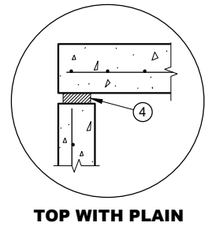


SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

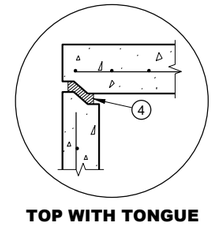


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION

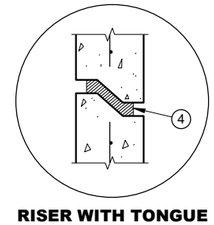
DETAIL "A"



TOP WITH PLAIN END JOINT



TOP WITH TONGUE AND GROOVE JOINT



RISER WITH TONGUE AND GROOVE JOINT

DETAIL "B" **DETAIL "C"**

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST MANHOLE UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

PRECAST REINFORCED CONCRETE CONE TOPS (ECCENTRIC OR CONCENTRIC) OR PRECAST REINFORCED CONCRETE FLAT SLAB TOPS MAY BE USED ON CONCRETE BLOCK STRUCTURES.

ECCENTRIC CONE TOPS MAY BE USED ON ALL STRUCTURES. CONCENTRIC CONE TOPS SHALL BE USED ONLY ON STRUCTURES 5 FEET OR LESS IN DEPTH UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

STEPS MEETING AASHTO M199 AND THE FOLLOWING REQUIREMENTS SHALL BE INSTALLED IN ALL STRUCTURES OVER 5 FEET IN DEPTH: 16 INCH C-C MAXIMUM SPACING; PROJECT A MINIMUM CLEAR DISTANCE OF 4 INCHES FROM THE WALL AT THE POINT OF EMBEDMENT; MINIMUM LENGTH OF 10 INCHES; MINIMUM WALL EMBEDMENT OF 3 INCHES. FERROUS METAL STEPS NOT PAINTED OR TREATED TO RESIST CORROSION SHALL HAVE A MINIMUM CROSS SECTIONAL DIMENSION OF 1 INCH.

STEPS OF APPROVED POLYPROPYLENE PLASTIC COATED REINFORCEMENT BAR ARE ACCEPTABLE. REINFORCING BAR MUST BE A MINIMUM OF ½ INCH AND MEET THE REQUIREMENTS OF ASTM A615.

CERTIFICATION SHALL BE PROVIDED THAT INSTALLED STEPS WHEN TESTED IN ACCORDANCE WITH SECTION 10 OF AASHTO T280 CAN WITHSTAND A VERTICAL LOAD OF 800 LBS. AND A HORIZONTAL LOAD OF 400 LBS.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST MANHOLE UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

CONCRETE BLOCK WILL NOT BE PERMITTED FOR STRUCTURES GREATER THAN 4 FEET IN DIAMETER.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "D".

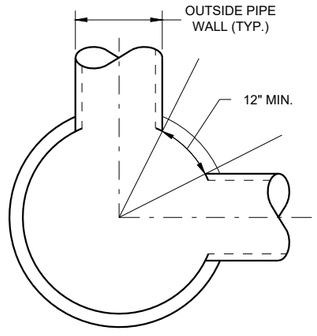
(1) FOR PRECAST MANHOLES PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

(2) SEE PIPE MATRIX TABLE FOR MINIMUM WALL THICKNESS FOR PRECAST MANHOLES

(3) SEE PIPE MATRIX TABLE FOR MINIMUM THICKNESS OF PRECAST FLAT SLAB TOPS AND BASES.

(4) JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP.).

(5) SEE MANHOLE COVER OPENING MATRIX.



MINIMUM HORIZONTAL PIPE SEPARATION

MANHOLES, 3-FT, 4-FT 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2021 — DATE
/S/ Rodney Taylor — ROADWAY STANDARDS DEVE ENGINEER

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MANHOLES 3-FT, 4-FT, 5-FT, 6-FT, 7-FT, 8-FT, 9-FT AND 10-FT DIAMETER

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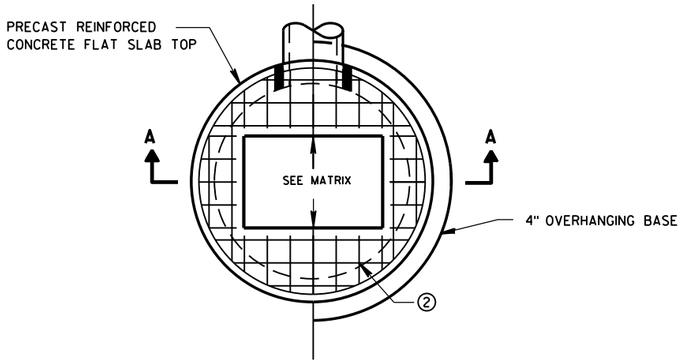
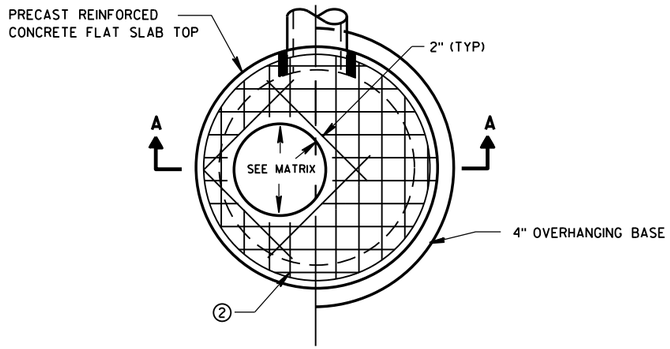
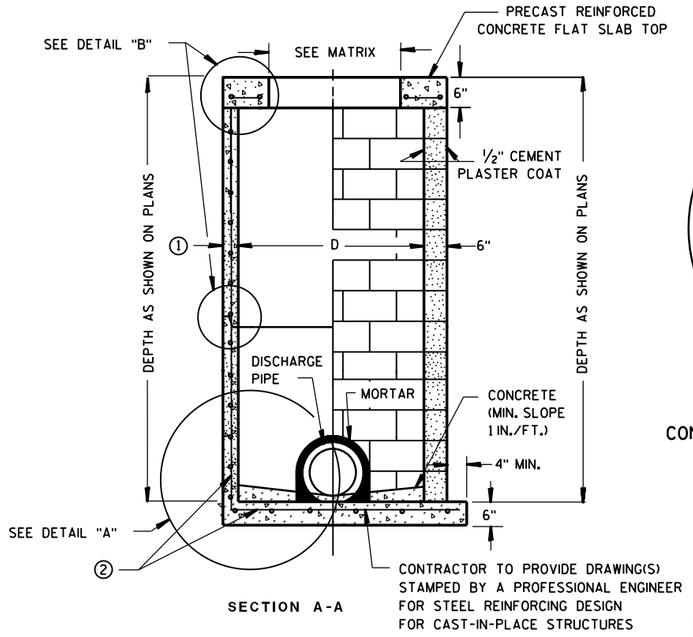


PLAN VIEW RECTANGULAR OPENING



PLAN VIEW CIRCULAR OPENING

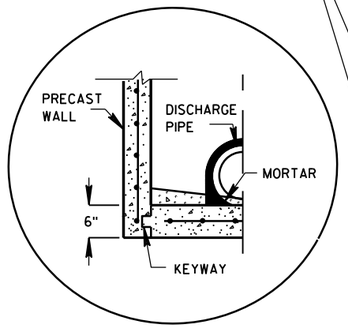


SECTION A-A

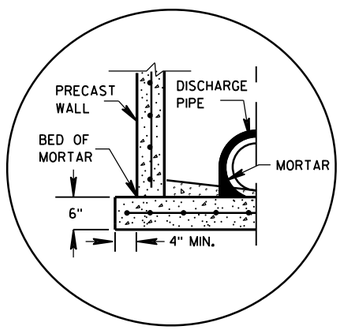
PRECAST REINFORCED CONCRETE WITH MONOLITHIC BASE

CONCRETE BLOCK WITH CAST-IN-PLACE OR PRECAST REINFORCED CONCRETE BASE ②

CIRCULAR INLETS W/ FLAT TOP

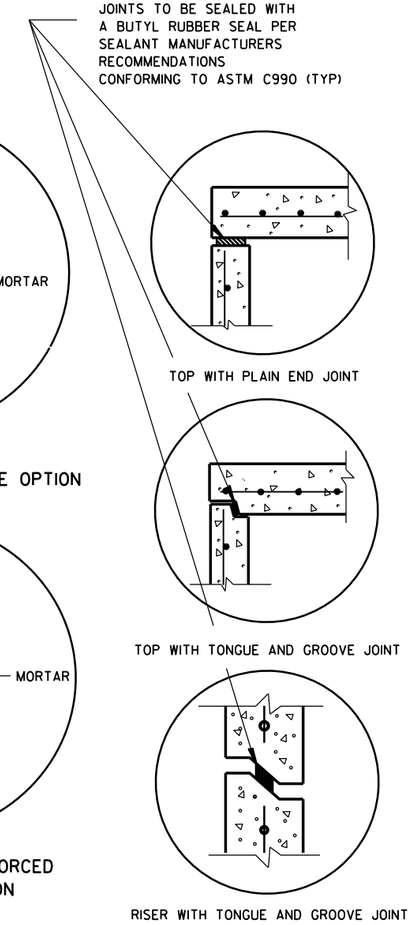


PRECAST REINFORCED CONCRETE WITH INTEGRAL BASE OPTION



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

DETAIL "A"



DETAIL "B"

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATE THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF AASHTO DESIGNATION M199.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR ALL CONCRETE BLOCK INSTALLATIONS. 4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED. OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

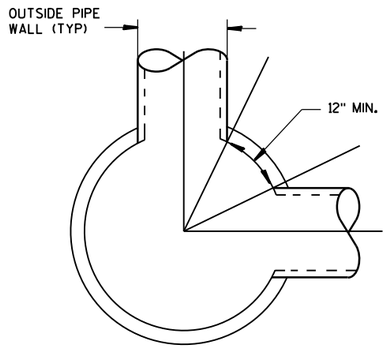
FOR ADDITIONAL CONFIGURATIONS, MAINTAIN A MINIMUM OF 12 INCHES AS MEASURED FROM THE INSIDE OF THE STRUCTURE WALL BETWEEN THE OUTSIDE PIPE WALLS OF ADJACENT PIPES. SEE DETAIL "C".

① MINIMUM WALL THICKNESS SHALL BE 4-IN FOR 3-FT DIAMETER AND 5-IN FOR 4-FT DIAMETER PRECAST INLETS.

② FOR PRECAST CATCH BASINS PROVIDE REINFORCING STEEL IN ACCORDANCE TO AASHTO M199.

INLET COVER OPENING MATRIX

	INLET COVER TYPE	ALL A'S	ALL B'S	BW	C	F	ALL H'S	S	T	V	WM	Z
INLET SIZE	OPENING SIZE (FT)											
3-FT	2 DIA.				X							X
	2X2	X	X					X		X		
4-FT	2 DIA.				X							X
	2X2	X	X					X		X		
	2X2.5			X				X	X	X	X	
	2X3						X					
	2.5X3					X						



DETAIL "C"

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER FOR TWO PIPES	
	180° SEPARATION (IN)	90° SEPARATION (IN)
3-FT	15	12
4-FT	24	18

INLETS 3-FT AND 4-FT DIAMETER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — /S/ Rodney Taylor
DATE — ROADWAY STANDARDS | UNIT SUPERVI — ENT
FHWA

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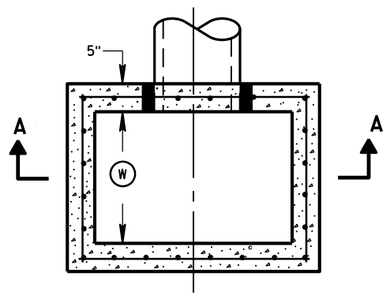
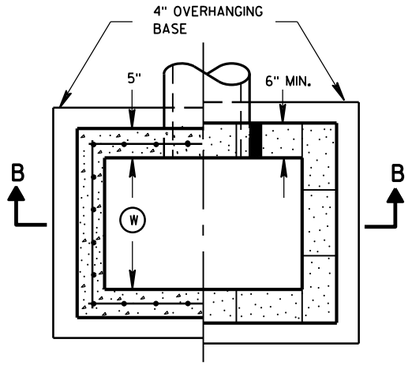
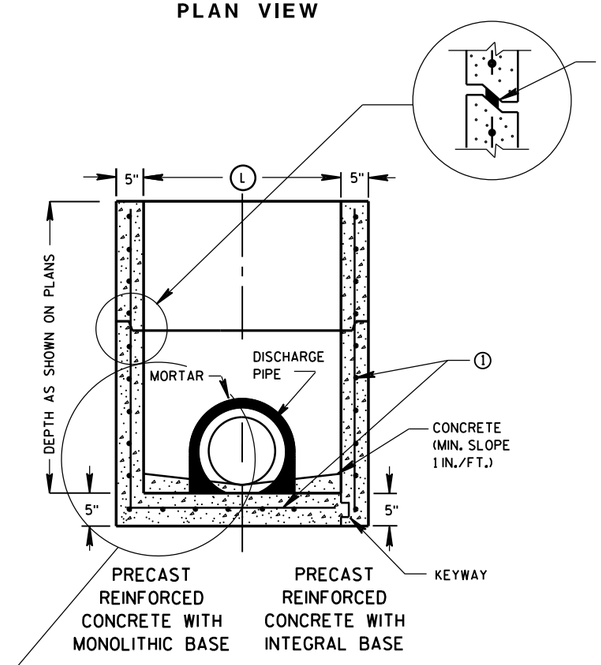
S.D.D. 8 C 6-2



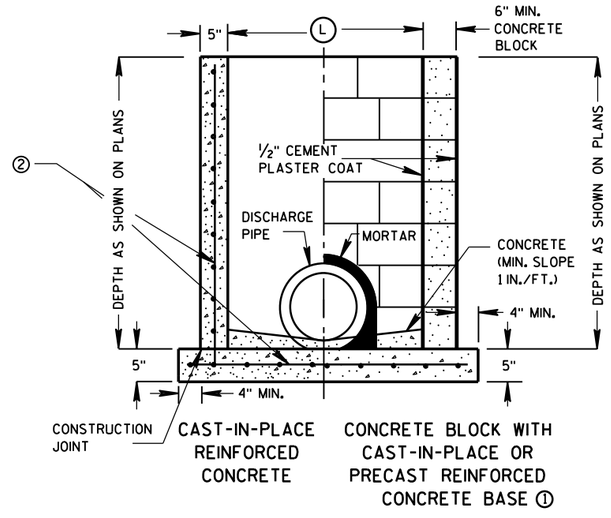
PLAN VIEW



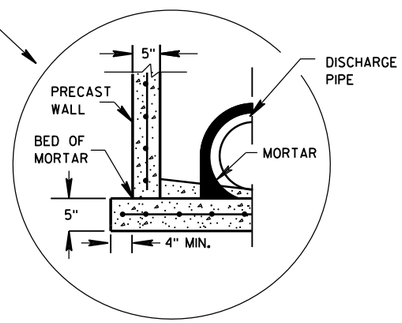
PLAN VIEW



SECTION A-A



SECTION B-B



SEPARATE PRECAST REINFORCED CONCRETE BASE OPTION

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR UNDERGROUND DRAINAGE STRUCTURES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

ALL DRAINAGE STRUCTURES ARE DESIGNATED ON THE PLANS AS "MANHOLES 3X3-L", "CATCH BASINS 4-B", "INLETS 2X3-H", ETC. THE FIRST NUMBERS DESIGNATES THE SIZE OF THE STRUCTURE, AND THE FOLLOWING LETTER DESIGNATES THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT.

BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

4" OVERHANGING BASES ARE REQUIRED FOR CAST-IN-PLACE REINFORCED CONCRETE AND CONCRETE BLOCK INSTALLATIONS.
4" OVERHANG IS REQUIRED WHEN SEPARATE PRECAST BASE IS PROVIDED.
OVERHANG IS NOT REQUIRED ON PRECAST STRUCTURES WITH AN INTEGRAL OR MONOLITHIC BASE.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3 INCH CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.

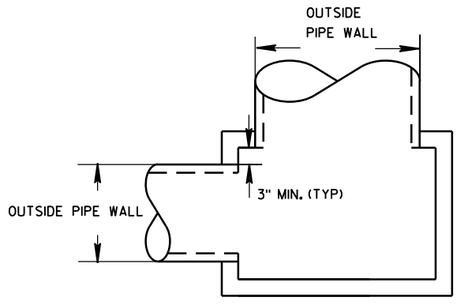
② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

INLET COVER MATRIX

INLET SIZE		INLET COVER TYPE	ALL A'S	ALL B'S	BW	F	ALL H'S	S	T	V	WM
	WIDTH (W) (FT)	LENGTH (L) (FT)									
2X2-FT	2	2	X	X				X		X	
2X2.5-FT	2	2.5			X			X	X	X	X
2X3-FT	2	3					X				
2.5X3-FT	2.5	3				X					

PIPE MATRIX

INLET SIZE	MAXIMUM INSIDE PIPE DIAMETER	
	WIDTH (IN)	LENGTH (IN)
2X2-FT	12	12
2X2.5-FT	12	18
2X3-FT	12	24
2.5X3-FT	18	24



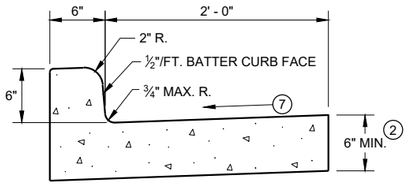
DETAIL "A"

INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT

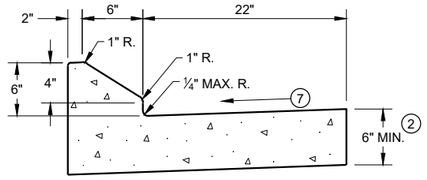
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
Sept., 2016 — DATE
/S/ Rodney Taylor
ROADWAY STANDARDS D IT UNIT SUPERVIS
FHWA

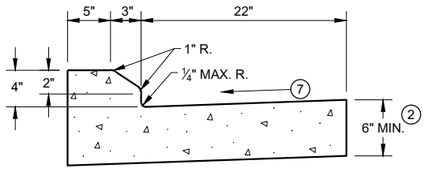
INLETS 2X2-FT, 2X2.5-FT, 2X3-FT AND 2.5X3-FT



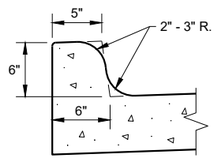
TYPES A (1) & D



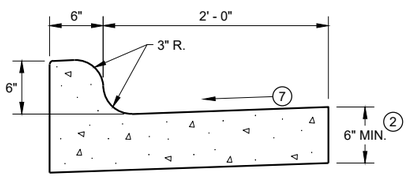
6" SLOPED CURB TYPES G (1) & J



4" SLOPED CURB TYPES G (1) & J

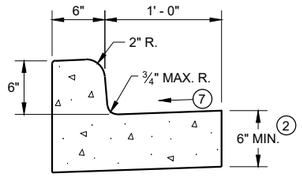


TYPES K (1) & L
(OPTIONAL CURB SHAPE)



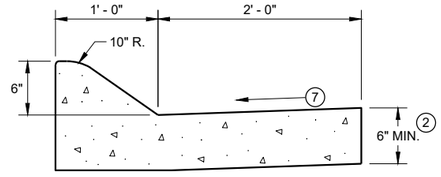
TYPES K (1) & L

CONCRETE CURB AND GUTTER 30"

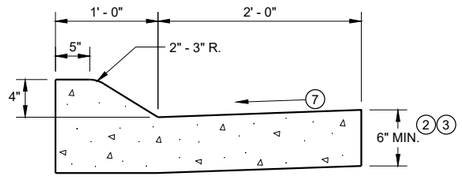


TYPES A (1) & D

CONCRETE CURB AND GUTTER 18"

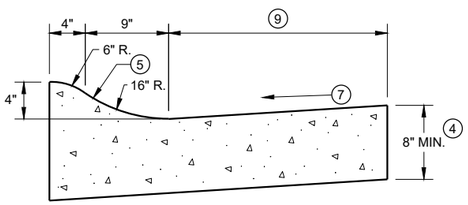


6" SLOPED CURB TYPES A (1) & D



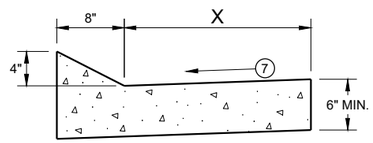
4" SLOPED CURB TYPES A (1) & D

CONCRETE CURB AND GUTTER 36"



4" SLOPED CURB TYPES R (1) & T

TBT & TBTT	X
30"	22"
36"	28"

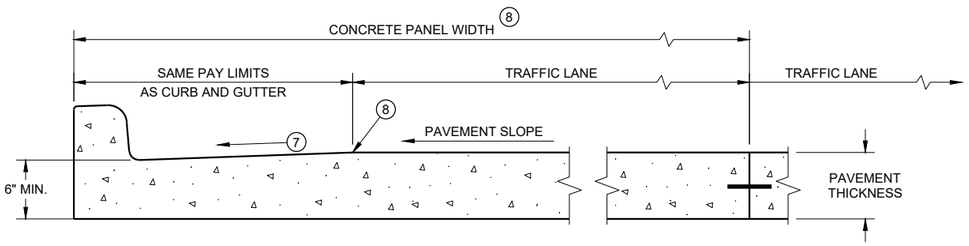


TYPES TBT & TBTT (1)

CONCRETE CURB AND GUTTER

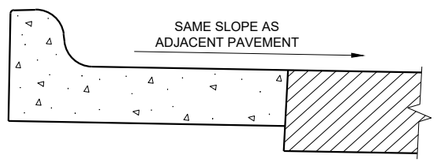
PAVEMENT THICKNESS AND MAXIMUM CONCRETE PANEL WIDTH TABLE

PAVEMENT THICKNESS	MAXIMUM PANEL WIDTH
LESS THAN 10"	12'
10" & ABOVE	15'



PARTIAL SECTION OF PAVEMENT * WITH INTEGRAL CURB AND GUTTER

* BIKE LANE IS NOT SHOWN



REVERSE SLOPE GUTTER (6)
(TYPICAL FOR ALL CURB & GUTTER TYPES)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

INTEGRAL CURB AND GUTTER SHALL CONFORM TO THE DETAILS SHOWN FOR CONCRETE CURB AND GUTTER INCLUDING THE TRANSVERSE GUTTER SLOPE.

UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(3) USE 8" MINIMUM GUTTER THICKNESS WHEN USED WITH AN ADJACENT CONCRETE TRUCK APRON PLACED BEHIND BACK OF CURB.

(4) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 8" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(5) UNLESS OTHERWISE NOTED, FOR STAKING PURPOSES THE FACE OF CURB IS 6" FROM THE BACK OF CURB.

(6) WHEN REVERSE SLOPE GUTTER IS REQUIRED, THE LOCATION(S) WILL BE SHOWN ELSEWHERE IN THE PLAN.

(7) USE 4% GUTTER CROSS SLOPE UNLESS OTHERWISE NOTED IN THE PLANS.

(8) INCLUDE LONGITUDINAL JOINT AND TIE BARS ALONG LANE EDGE WHEN CONCRETE PANEL WIDTH EXCEEDS THE MAXIMUM WIDTH PER TABLE BELOW. LONGITUDINAL JOINT(S) ARE NOT ALLOWED WITHIN TRAFFIC LANES AND BIKE LANES. LONGITUDINAL JOINT MAY BE SAWED.

(9) CONCRETE CURB AND GUTTER 4-INCH SLOPED 30-INCH TYPE "R" AND "T" = 17 INCHES
CONCRETE CURB AND GUTTER 4-INCH SLOPED 36-INCH TYPE "R" AND "T" = 23 INCHES

CONCRETE CURB AND GUTTER

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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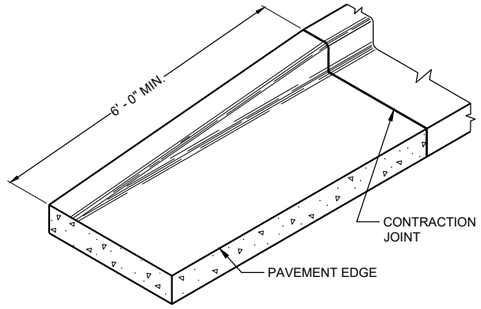
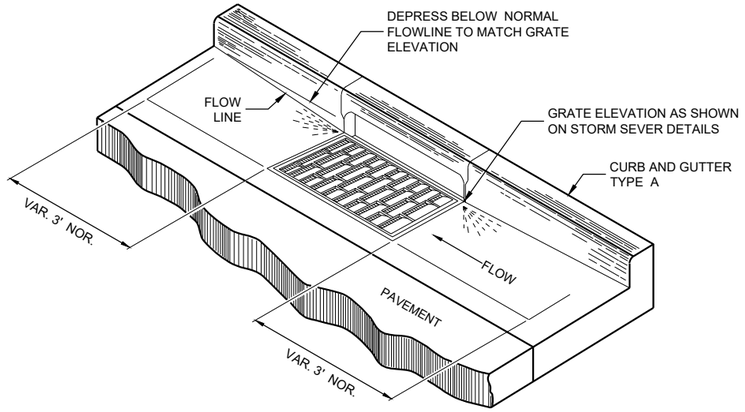


END SECTIONCURB AND GUTTER



DETAIL OF CURB AND GUTTER AT INLETS

(TYPICAL H INLET COVER SHOWN)

GENERAL NOTES

DETAILS OF CONSTRUCTION AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE CONTRACT.

PAVEMENT TIES AND TIE BARS SHALL BE EPOXY COATED IN CONFORMANCE WITH SUBSECTION 505.2.6.2 OF THE STANDARD SPECIFICATIONS.

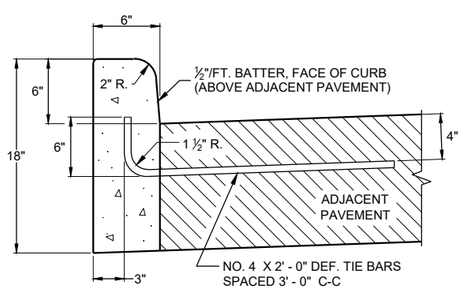
UNLESS OTHERWISE SHOWN ON THE TYPICAL CROSS SECTIONS, THE BASE AGGREGATE AND COMMON EXCAVATION LIMITS ARE 2' - 0" BEHIND THE BACK OF CURBS.

(1) TIE BARS ARE REQUIRED FOR CURB AND GUTTERS TYPES A, G, K, R, AND TBTT.

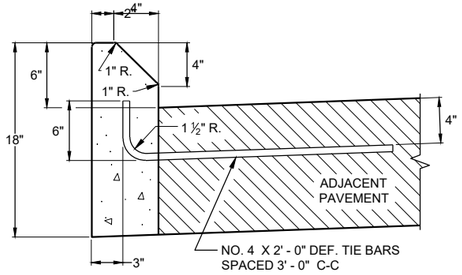
(2) THE BOTTOM OF CURB AND GUTTER MAY BE CONSTRUCTED EITHER LEVEL OR PARALLEL TO THE SLOPE OF THE SUBGRADE OR BASE AGGREGATE PROVIDED A 6" MINIMUM GUTTER THICKNESS IS MAINTAINED.

(10) REFER TO SDD 08D18 AND 08D19 FOR ADDITIONAL DRIVEWAY ENTRANCE CURB DETAILS.

(11) PLACE 1" THICK EXPANSION JOINT MATERIAL BETWEEN VERTICAL FACE CURB TYPES EXTENDING FROM THE TOP OF CURB TO 1 INCH BELOW THE ADJOINING CONCRETE SURFACE. RIGID CONCRETE STRUCTURES INCLUDE RAISED CONCRETE MEDIANS, CONCRETE SAFETY ISLANDS, SPLITTER ISLANDS, OR LOCATIONS IDENTIFIED ON THE PLANS.

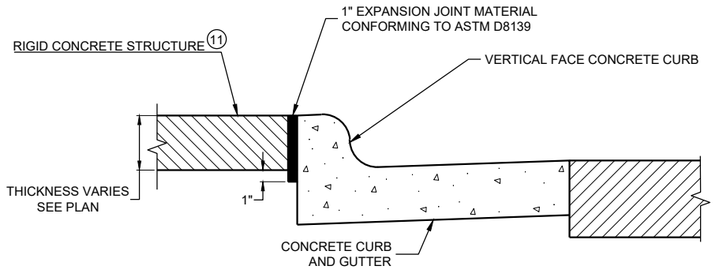


TYPES A (1) & D

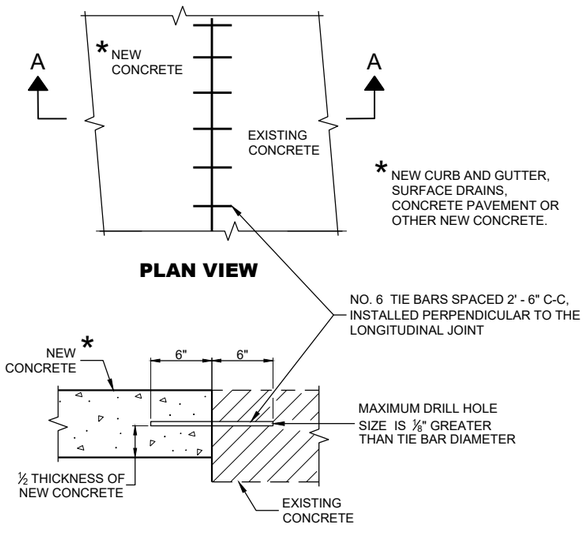


TYPES G (1) & J

CONCRETE CURB



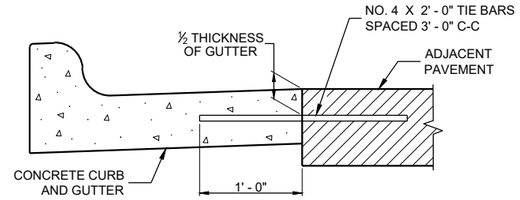
EXPANSION JOINT DETAIL FOR VERTICAL CURB ABUTTING A RIGID STRUCTURE (11)



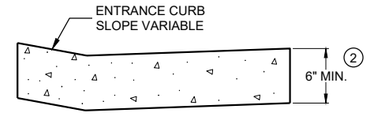
PLAN VIEW

SECTION A - A

TIE BARS DRILLED INTO EXISTING PAVEMENT



TYPICAL TIE BAR LOCATION (1)



DRIVEWAY ENTRANCE CURB (10)

(WHEN DIRECTED BY THE ENGINEER)

CONCRETE CURB, TIES AND CURB AND GUTTER APPLICATIONS

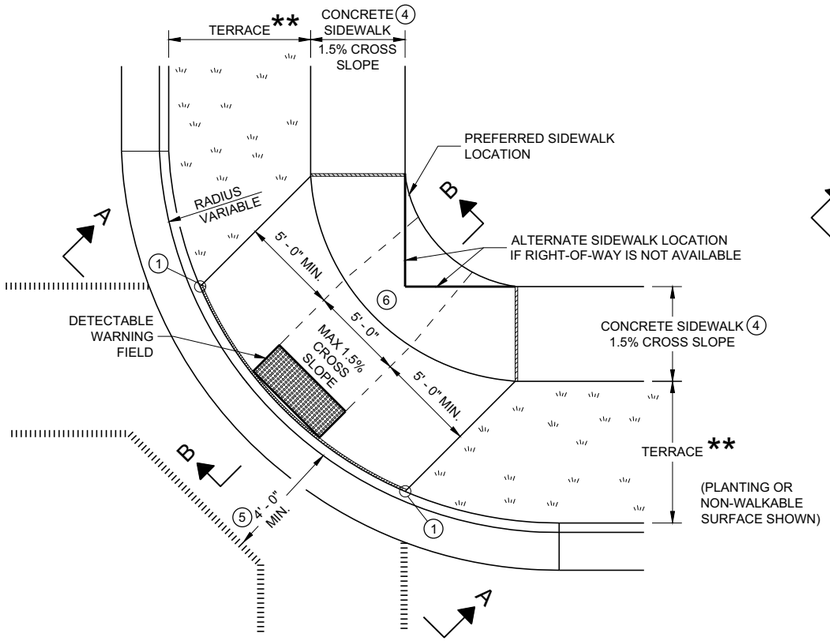
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2023 — DATE
/S/ Rodnery Taylor — ROADWAY STANDARDS DEVE ENGINEER

FHWA

6

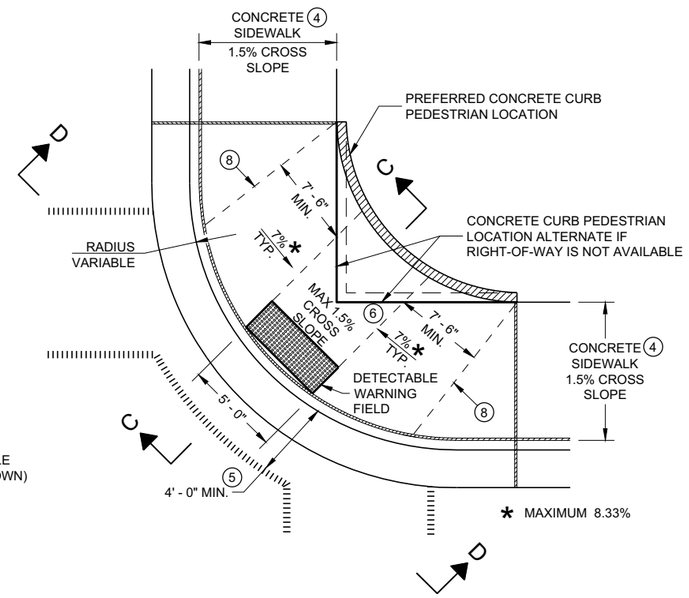
SDD08D01 - 23b



PLAN VIEW

CURB RAMP TYPE 1

(CENTER OF CORNER RADIUS)



PLAN VIEW

CURB RAMP TYPE 1 - A

(NO TERRACE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

WHEN NECESSARY, THE SIDEWALK ELEVATION MAY BE LOWERED TO MEET THE HIGH POINT ON THE RAMP.

TYPE 1 CURB RAMPS SHALL HAVE A NORMAL SIDEWALK APRON AND CURB ON BOTH SIDES OF RAMP.

DETECTABLE WARNING FILED SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS "CURB RAMP DETECTABLE WARNING FIELD". THE CONCRETE PEDESTRIAN CURB, IF NEEDED, SHALL BE MEASURED AND PAID BY THE LINEAR FOOT AS "CONCRETE CURB PEDESTRIAN". CONCRETE SIDEWALK IN THE CURB RAMP AREA SHALL BE MEASURED AND PAID BY THE SQUARE FOOT AS CONCRETE SIDEWALK, INCLUDING THE AREA UNDER THE DETECTABLE WARNING FIELD.

SELECT CURB RAMP DETECTABLE WARNING FIELD MATERIALS AND DEVICES FROM THE DEPARTMENT'S APPROVED MATERIALS LIST. THE COLOR OF THE DETECTABLE WARNING FIELD IS SPECIFIED ELSEWHERE AND IS INCIDENTAL TO THE BID ITEM OF "CURB RAMP DETECTABLE WARNING FIELD"

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

SURFACE TEXTURE OF THE RAMP SHALL BE OBTAINED BY COARSE BROOMING TRANSVERSE TO THE SLOPE OF THE RAMP.

(1) THIS POINT IS AN EXTENSION OF OUTSIDE EDGE OF APPROACHING SIDEWALK WHERE IT MEETS THE BACK OF CONCRETE CURB. POINT LOCATION MAY BE ADJUSTED TO ALIGN WITH BEGINNING OF FULL-HEIGHT CURB IF THIS DISTANCE IS SHORT.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

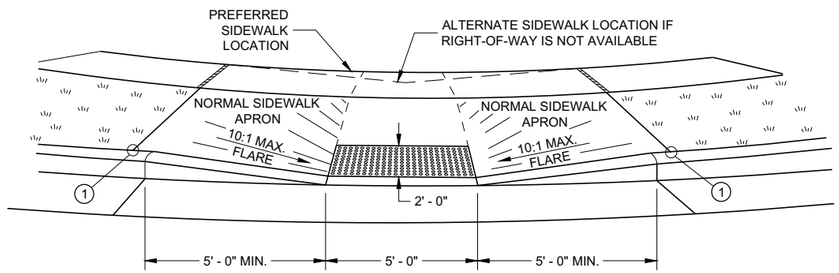
(3) MAXIMUM 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

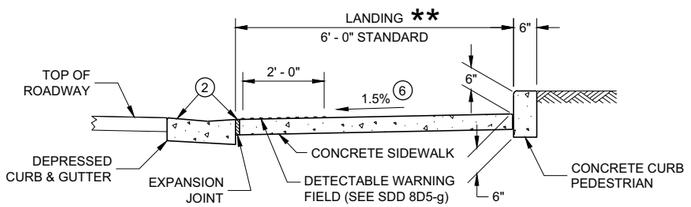
(5) PROVIDE A LEVEL LANDING IN THE STREET AND GUTTER AREA (2% MAXIMUM SLOPE IN ANY DIRECTION). WHEN THE GUTTER SLOPE EXCEEDS 2%, CONSTRUCT THE LEVEL LANDING IN THE STREET AREA.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

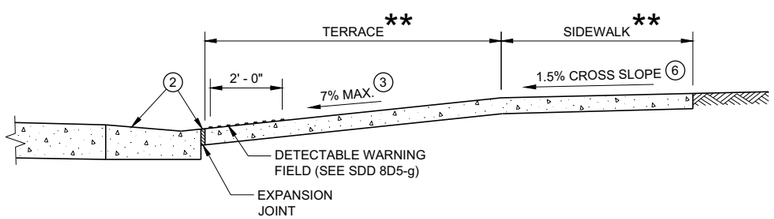


VIEW A - A FOR TYPE 1

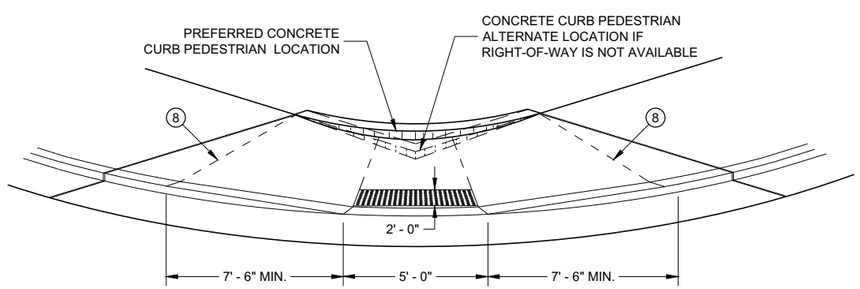


SECTION C - C FOR TYPE 1 - A

** WIDTH SHOWN ELSEWHERE IN THE PLANS



SECTION B - B FOR TYPE 1



VIEW D - D FOR TYPE 1 - A

LEGEND

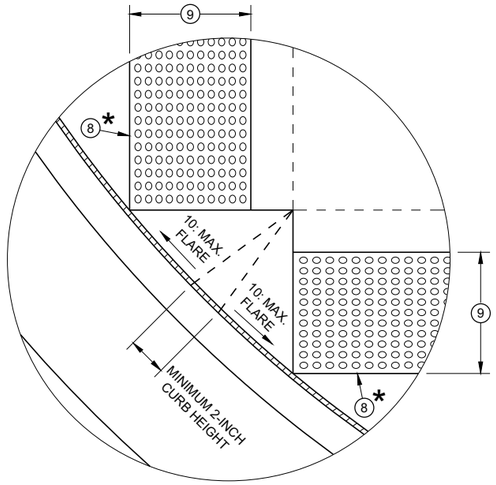
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS
TYPE 1 AND 1-A

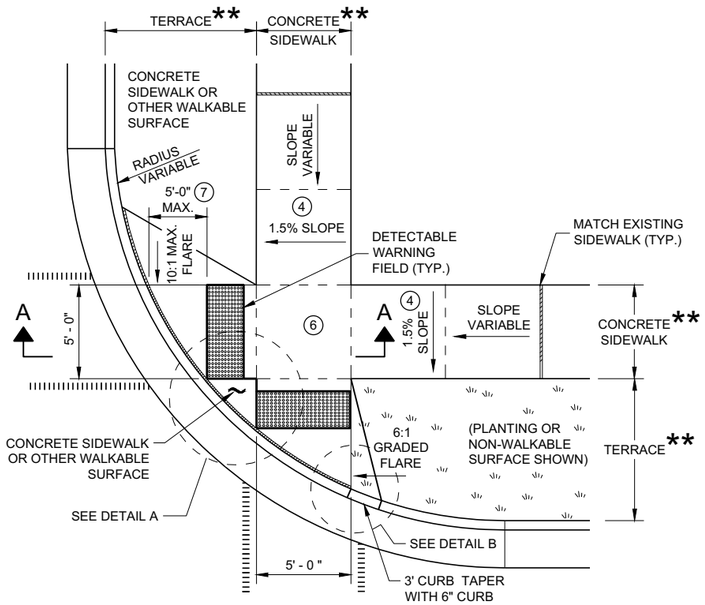
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20a



DETAIL A



PLAN VIEW
CURB RAMP TYPE 2
(CENTER OF CORNER RADIUS)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE (2.67% OR LESS) AND NOT TO EXCEED 11% GRADE CHANGE.

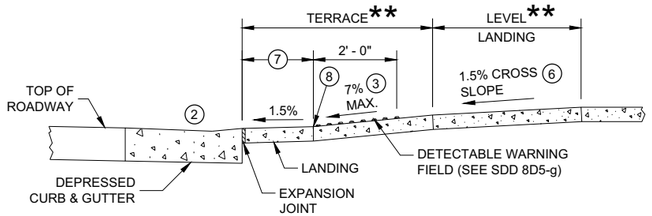
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET X 5 FEET.

(7) WHEN GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

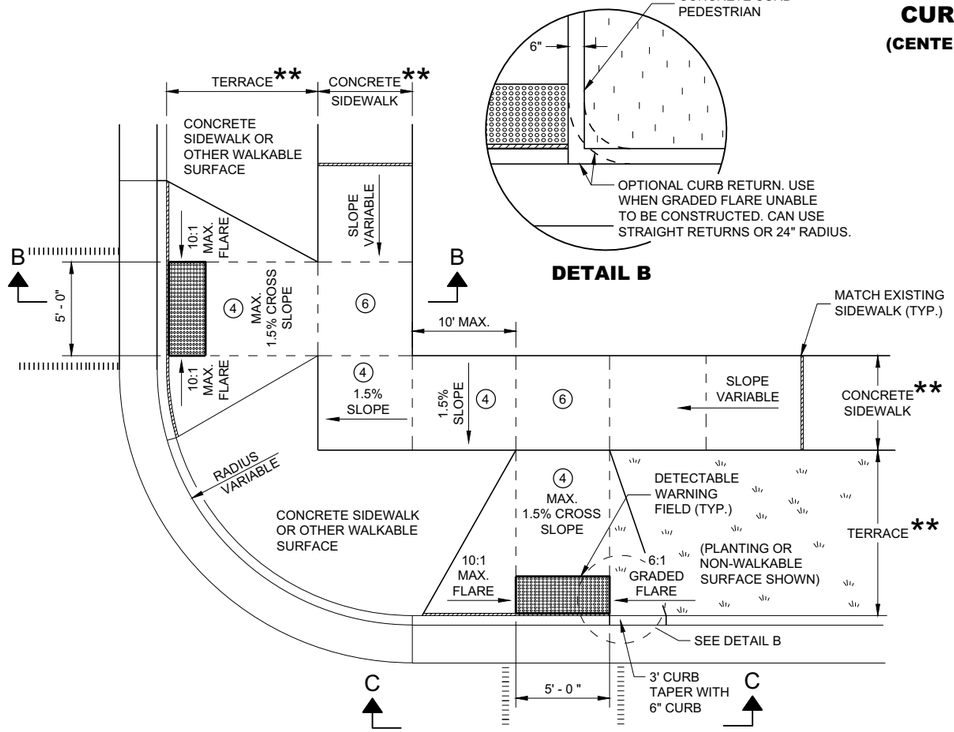
(9) WHEN DISTANCE IS LESS THAN 6' - 0", IT MAY BE DIFFICULT TO ACHIEVE A 7% SLOPE OR FLATTER ALONG THE RAMP. REDUCE CURB HEIGHT IN TRIANGLE AREA TO ACHIEVE 7% SLOPE OR FLATTER ON RAMP. CONSTRUCT 2-INCH MINIMUM CURB HEIGHT BETWEEN 10:1 FLARES.



SECTION A - A FOR TYPE 2

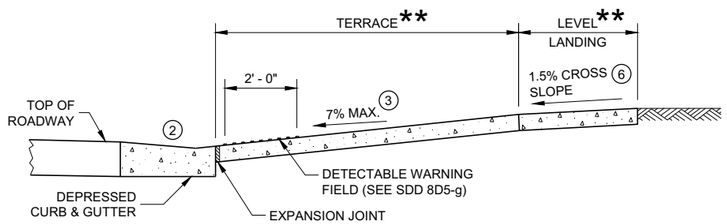
* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

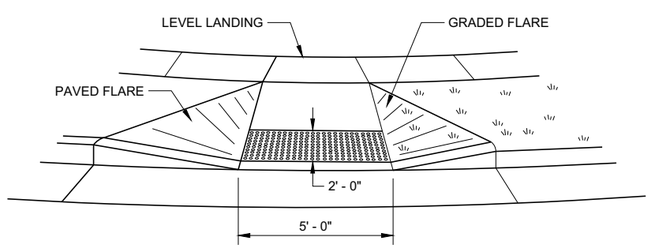


DETAIL B

PLAN VIEW
CURB RAMP TYPE 3
(OUTSIDE OF CROSSWALK AREA)



SECTION B - B FOR TYPE 3



VIEW C - C FOR TYPE 3

LEGEND

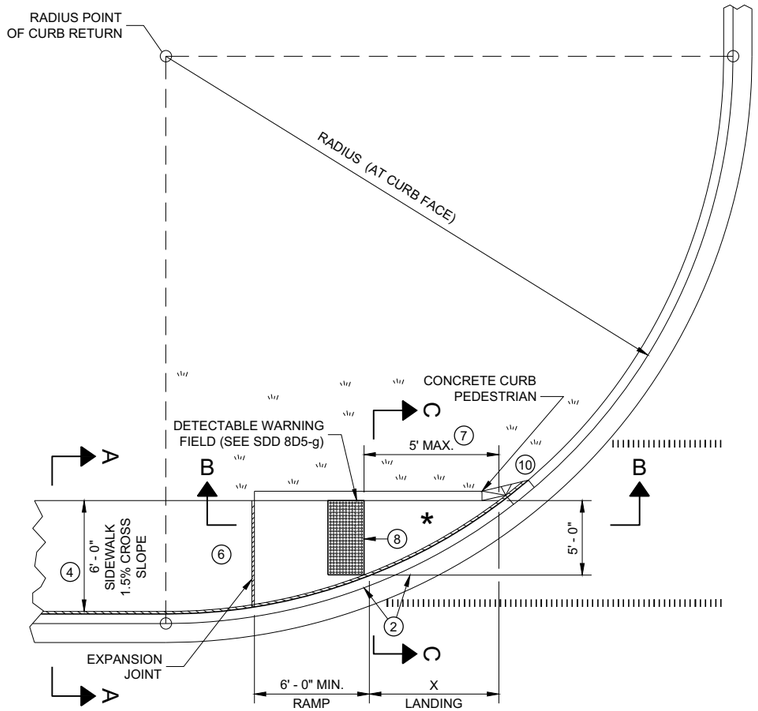
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

CURB RAMPS TYPE 2 AND 3

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20b

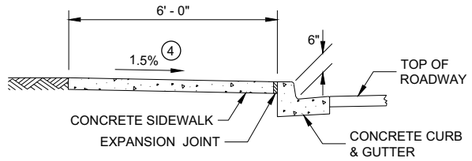


PLAN VIEW

CURB RAMP TYPE 4A

RADIUS (AT CURB FACE)	X
10 FEET	4' - 7"
15 FEET	6' - 5½"

INTERMEDIATE RADII CAN BE INTERPOLATED



SECTION A - A FOR TYPE 4A

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

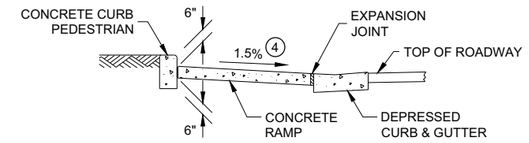
(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

LEGEND

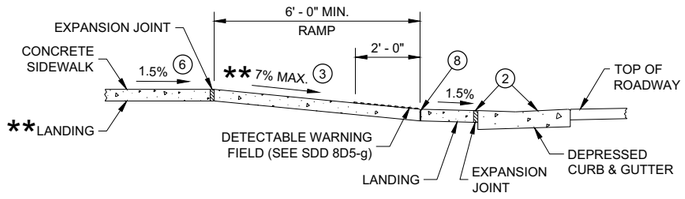
½" EXPANSION JOINT SIDEWALK

CONTRACTION JOINT SIDEWALK

PAVEMENT MARKING CROSSWALK (WHITE)



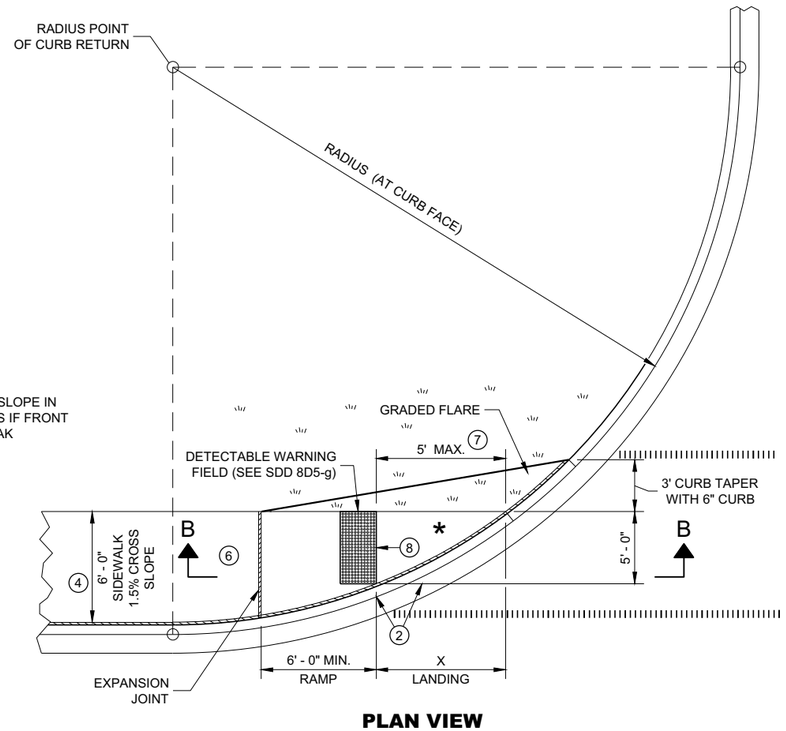
SECTION C - C FOR TYPE 4A



** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

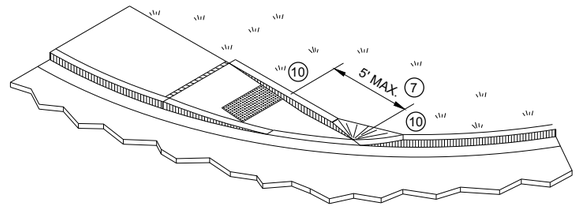
SECTION B - B FOR TYPE 4A AND TYPE 4A1

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

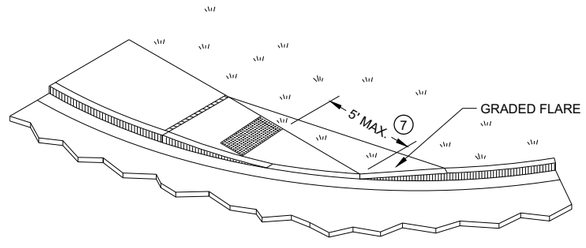


PLAN VIEW

CURB RAMP TYPE 4A1



ISOMETRIC VIEW FOR TYPE 4A



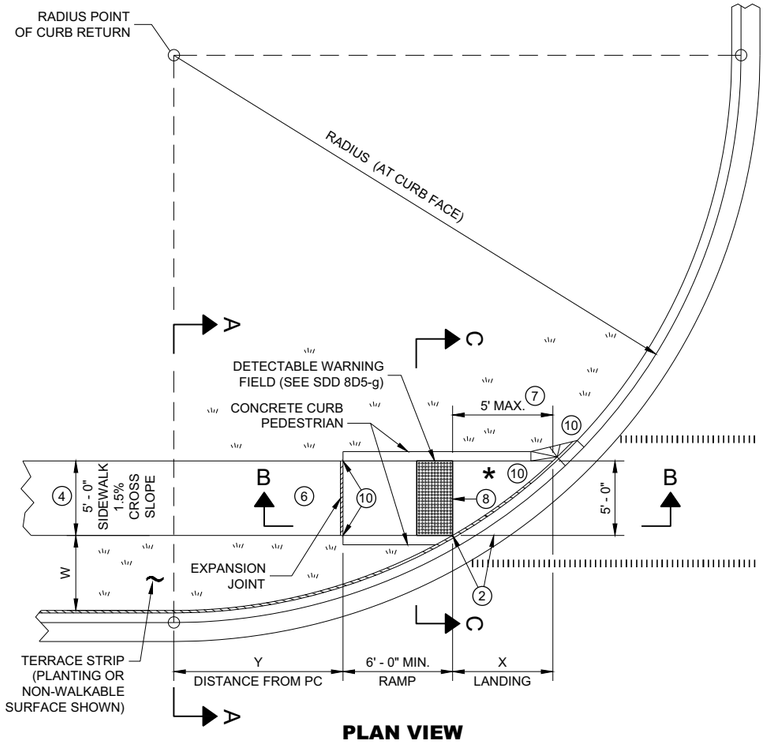
ISOMETRIC VIEW FOR TYPE 4A1

CURB RAMPS
TYPE 4A AND 4A1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 08D05 - 20c



PLAN VIEW

CURB RAMP TYPE 4B

RADIUS (AT CURB FACE)	W = 3' - 0"		W = 4' - 0"		W = 5' - 0"		W = 6' - 0"		W = 7' - 0"		W = 8' - 0"		W = 9' - 0"		W = 10' - 0"	
	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
10 FEET	2' - 10 ¼"	0' - 5"	2' - 1"	1' - 4 ½"	1' - 5"	2' - 1"	0' - 10"	2' - 7 ½"	0' - 3 ¼"	3' - 0 ¼"						
15 FEET	4' - 6 ¾"	2' - 1 ¾"	3' - 9"	3' - 5 ¾"	3' - 1 ¼"	4' - 6"	2' - 6 ¾"	5' - 4 ½"	2' - 1"	6' - 1"	1' - 8"	6' - 8 ½"	1' - 3 ¼"	7' - 2 ½"	0' - 10 ¾"	7' - 7 ¼"
20 FEET	5' - 9 ¾"	3' - 6 ½"	4' - 11 ½"	5' - 1 ¾"	4' - 3 ¼"	6' - 5 ½"	3' - 8 ¾"	7' - 7"	3' - 3"	8' - 6 ½"	2' - 10"	9' - 4 ½"	2' - 5 ½"	10' - 1 ¼"	2' - 1 ¼"	10' - 9"
30 FEET			6' - 9 ¼"	7' - 11 ¼"	6' - 0 ¼"	9' - 8"	5' - 5"	11' - 1 ¾"	4' - 10 ¾"	12' - 5 ¾"	4' - 5 ½"	13' - 7 ¾"	4' - 0 ¾"	14' - 8 ½"	3' - 8 ½"	15' - 8 ¼"
40 FEET									6' - 1 ¾"	15' - 8 ½"	5' - 8"	17' - 2"	5' - 3"	18' - 5 ¾"	4' - 10 ¾"	19' - 8 ¼"
50 FEET															5' - 10 ¼"	23' - 2"

INTERMEDIATE RADII CAN BE INTERPOLATED
DIMENSION "Y" IS CALCULATED BASED ON 6'-0" RAMP LENGTH
DIMENSION "X" IS CALCULATED BASED ON 5'-0" SIDEWALK WIDTH

SECTION C - C FOR TYPE 4B

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

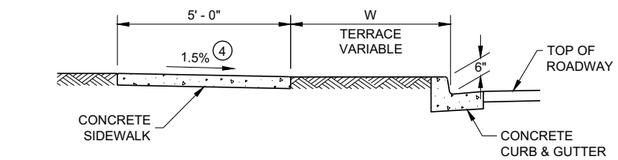
(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

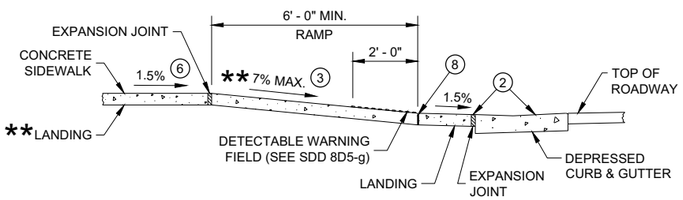
(7) WHEN THIS GRADE BREAK DISTANCE EXCEEDS 5 FEET, USE RADIAL DETECTABLE WARNING FIELD PER SDD 8D5-f.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.



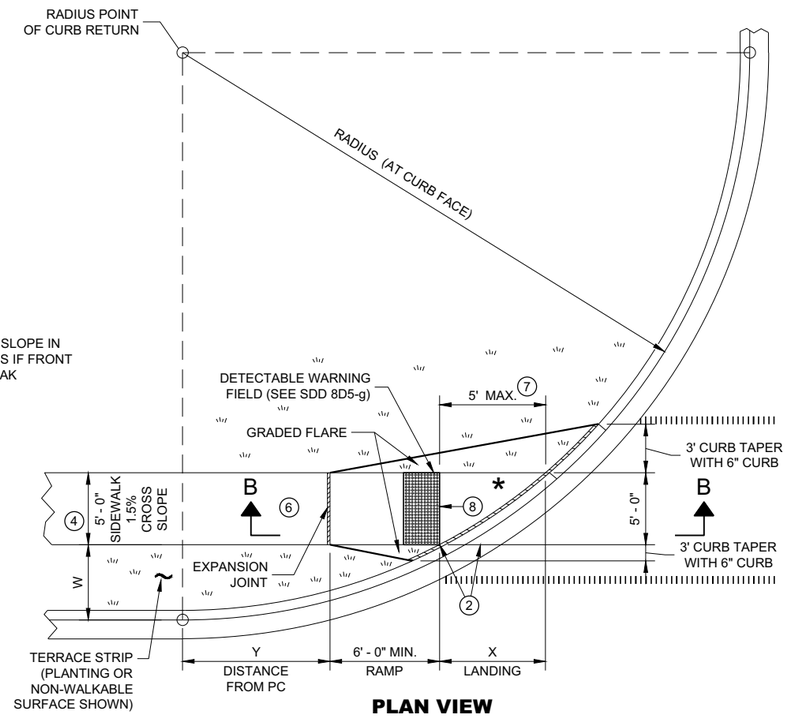
SECTION A - A FOR TYPE 4B



SECTION B - B FOR TYPE 4B AND TYPE 4B1

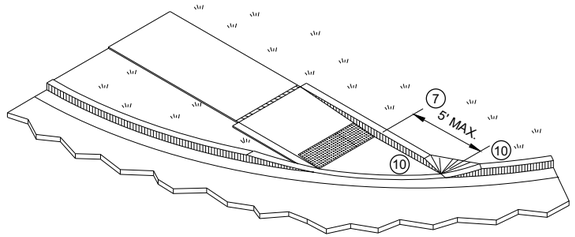
** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

* MAXIMUM 2.0% SLOPE IN ALL DIRECTIONS IF FRONT OF GRADE BREAK

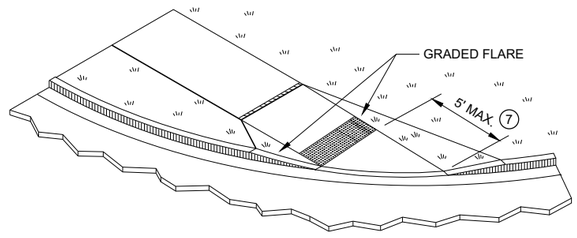


PLAN VIEW

CURB RAMP TYPE 4B1



ISOMETRIC VIEW FOR TYPE 4B



ISOMETRIC VIEW FOR TYPE 4B1

CURB RAMPS TYPE 4B AND 4B1

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

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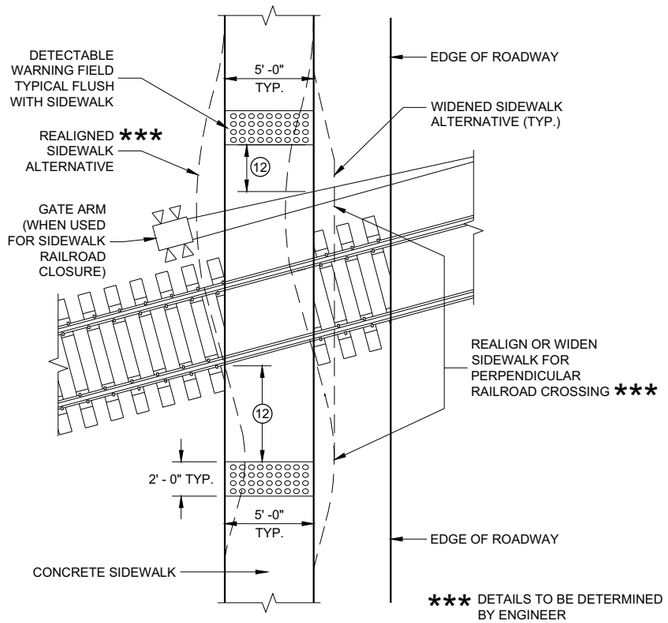
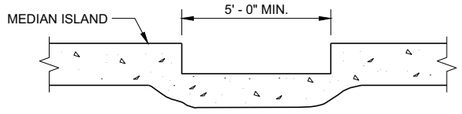
SDD 08D05 - 20d

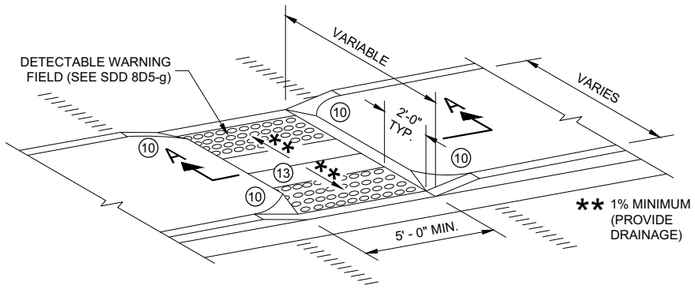


CURB RAMP TYPE 8

DETECTABLE WARNINGS AT RAILROAD CROSSING



SECTION A - A FOR TYPE 5



CURB RAMP TYPE 5

MEDIAN ISLAND NON-ELEVATED PEDESTRIAN CROSSING

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2%.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ½ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LEVEL LANDING SIZE IS 5 FEET BY 5 FEET.

(10) INSTALL TRANSITION NOSE (INCIDENTAL TO OTHER PAY ITEMS). DO NOT MARK TRANSITION NOSE.

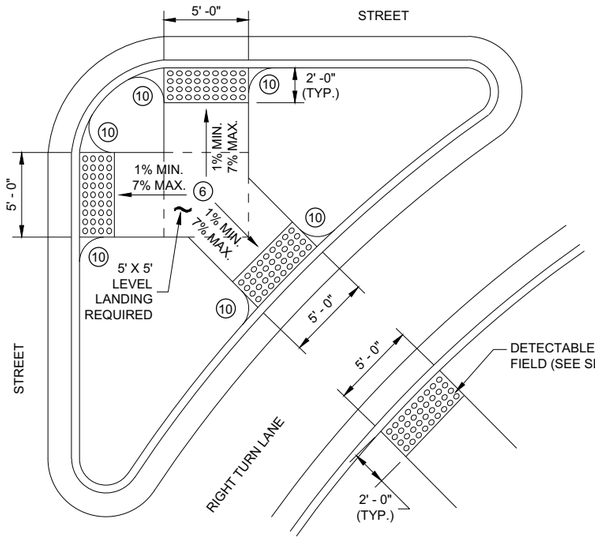
(11) SLOPE SIDEWALK TOWARD LANDING AS SHOWN WHERE THERE IS NO TERRACE OR WHERE THE TERRACE WIDTH IS LESS THAN 6 FEET WIDE.

(12) THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO A RAILROAD CROSSING SHALL BE 1.5 FEET ±0.1' FROM THE FACE OF THE GATE ARM IF THE GATE ARM EXTENDS ACROSS THE SIDEWALK. WHERE THERE IS NO PEDESTRIAN GATE, THE EDGE OF THE DETECTABLE WARNING FIELD NEAREST TO THE RAILROAD CROSSING SHALL BE 15 FEET FROM THE NEAREST RAIL.

(13) DO NOT INSTALL DETECTABLE WARNING FIELDS AT THE EDGES OF STEET-LEVEL PEDESTRIAN REFUGE ISLANDS IF A MINIMUM 2 FOOT CONCRETE SURFACE WITHOUT DETECTABLE WARNINGS (MEASURED IN THE DIRECTION OF PEDESTRIAN TRAVEL) CANNOT BE ACHIEVED.

LEGEND

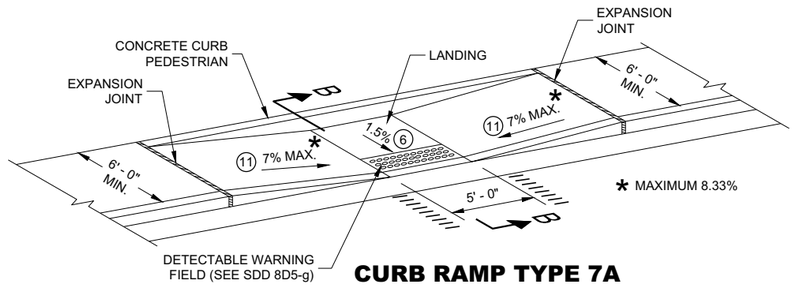
- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT FIELD LOCATED
- PAVEMENT MARKING CROSSWALK (WHITE)



CURB RAMP TYPE 6

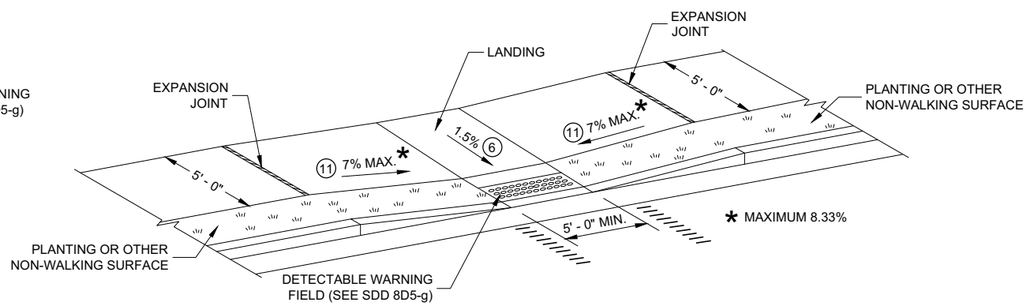
DETECTABLE WARNING AT ISLANDS

REFER TO GENERAL NOTES (2) AND (3) FOR ALL ISLAND CURB RAMPS



CURB RAMP TYPE 7A

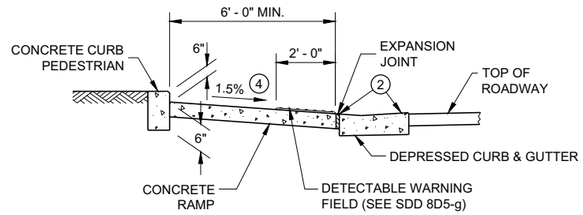
MID BLOCK CROSSING



CURB RAMP TYPE 7B

MID BLOCK CROSSING

NOTE: THESE PARALLEL AND PARALLEL/PERPENDICULAR CURB RAMPS MAY BE USED AT INTERSECTIONS AND MID BLOCK LOCATIONS.



SECTION B - B FOR TYPE 7A

CURB RAMPS TYPE 5, 6, 7A, 7B & 8

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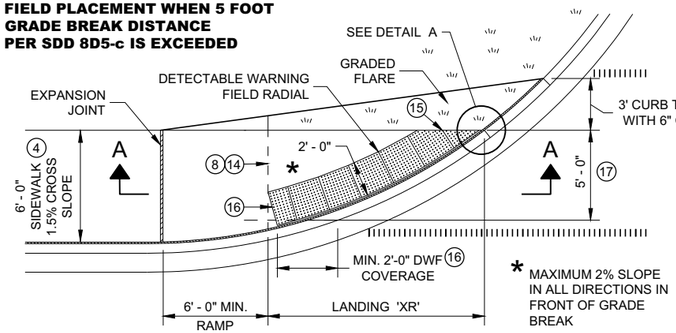
SDD 08D05 - 20e

SDD 08D05 - 20e

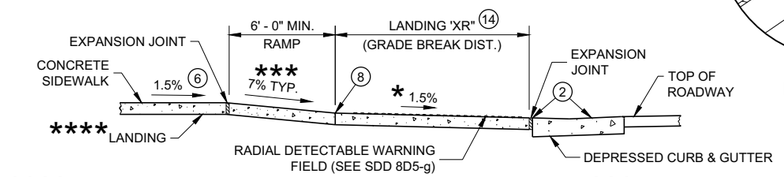
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-c IS EXCEEDED



PLAN VIEW

CURB RAMP TYPE 4A1

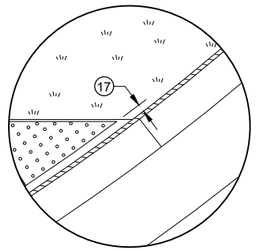
(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION A - A FOR TYPE 4A1



DETAIL A

LEGEND

- ½" EXPANSION JOINT SIDEWALK
- CONTRACTION JOINT SIDEWALK
- PAVEMENT MARKING CROSSWALK (WHITE)

GENERAL NOTES

AVOID PLACING DRAINAGE STRUCTURES, JUNCTION BOXES OR OTHER OBSTRUCTIONS IN FRONT OF RAMP ACCESS AREAS.

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AS A GROUP OR SIDE BY SIDE, SHALL BE FROM THE SAME MANUFACTURER.

APPLY RADIAL DETECTABLE WARNING PLACEMENT SIMILARLY FOR TYPE 4A AND 4A1 CURB RAMPS AND SIMILARLY FOR TYPE 4B AND 4B1 CURB RAMPS. TYPE 4A AND 4B CURB RAMPS ARE NOT SHOWN.

REFER TO SDD 8D5-g FOR ADDITIONAL RADIAL PLATE REQUIREMENTS.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AD ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

(2) GRADE CHANGE BETWEEN GUTTER FLAG SLOPE AND THE CURB RAMP SLOPE SHALL NOT EXCEED 11%. MAXIMUM GUTTER FLAG SLOPE IS 4%. PROVIDE LONGITUDINAL DRAINAGE AROUND CURB AND AWAY FROM CURB RAMP. NO VERTICAL LIPS OR DISCONTINUITIES GREATER THAN ¼ - INCH ARE ALLOWED. SLOPE OF CURB HEAD OPENING SHALL MATCH THE RAMP SLOPE, MINIMALLY 1.5% AND NOT TO EXCEED 7%. WHEN ADJACENT TO 1.5% LANDING, CONSTRUCT CURB HEAD OPENING AT 1.5% IN THE DIRECTION OF PEDESTRIAN TRAVEL.

(3) AN 8.33% CURB RAMP SLOPE IS ALLOWABLE WITH FLATTENED GUTTER FLAG SLOPE AND NOT TO EXCEED 11% GRADE CHANGE.

(4) ±0.5% CONSTRUCTION TOLERANCE IN SIDEWALK CROSS SLOPE. THE SIDEWALK CROSS SLOPE SHALL NOT EXCEED 2% WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

(6) PROVIDE A LEVEL LANDING (MAXIMUM 2% SLOPE) IN ANY DIRECTION OF PEDESTRIAN TRAVEL. STANDARD LANDING SIZE IS 5 FEET BY 5 FEET.

(8) PROVIDE GRADE BREAK PERPENDICULAR TO DIRECTION OF WHEELCHAIR TRAVEL.

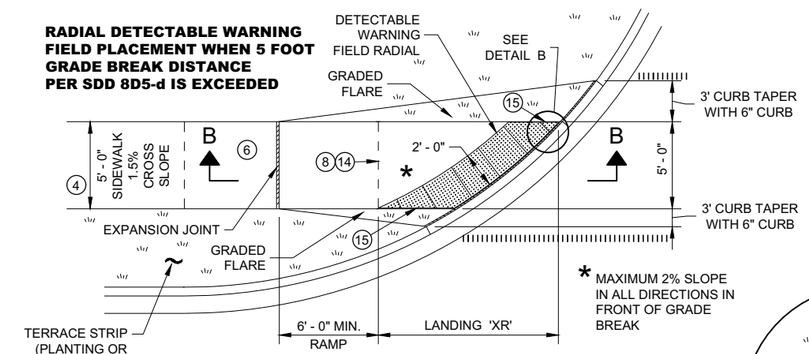
(14) CONSULT ENGINEER IF GRADE BREAK LOCATION (END OF LANDING DIMENSION "XR") REQUIRES FIELD ADJUSTMENT WHEN ESTABLISHING FINAL RADIAL DETECTABLE WARNING FIELD LOCATION.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.

(16) USE 1' X 2" RECTANGULAR END PLATE AT END OF TYPE 4A1 RAMP AND PROVIDE MINIMUM 2' - 0" DETECTABLE WARNING FIELD COVERAGE (IN DIRECTION OF PEDESTRIAN TRAVEL) ALONG THE ENTIRE CURB RAMP WIDTH.

(17) A MAXIMUM 3 INCH CONCRETE BORDER WITH IS ALLOWABLE IN FROM OF RADIAL DETECTABLE WARNING FIELD FOR CONSTRUCTABILITY PURPOSES. CONCRETE BORDER WIDTH MAY VARY UP TO 1 INCH.

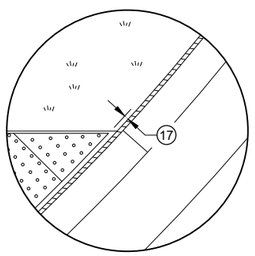
RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-d IS EXCEEDED



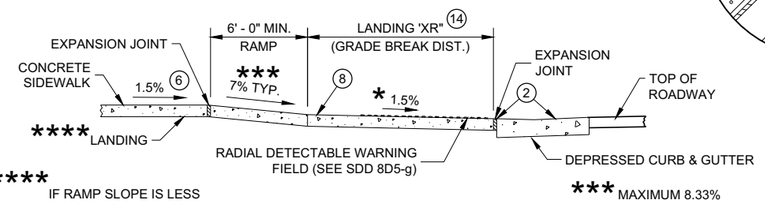
PLAN VIEW

CURB RAMP TYPE 4B1

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)



DETAIL B

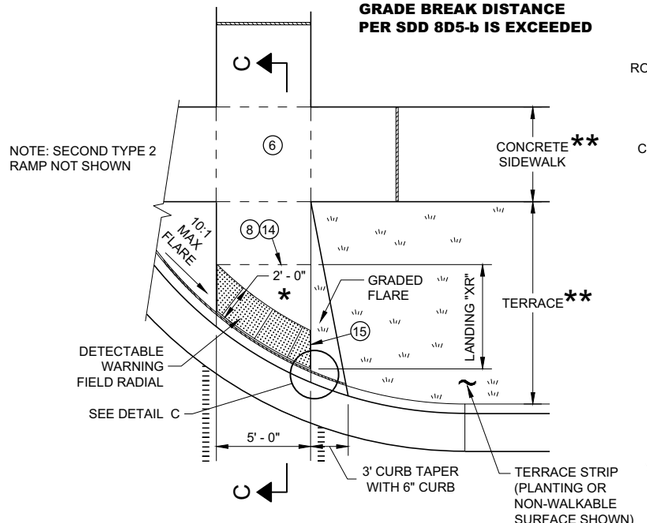


**** IF RAMP SLOPE IS LESS THAN 5.0%, THEN NO ADJACENT UPHILL LANDING IS REQUIRED

*** MAXIMUM 8.33%

SECTION B - B FOR TYPE 4B1

RADIAL DETECTABLE WARNING FIELD PLACEMENT WHEN 5 FOOT GRADE BREAK DISTANCE PER SDD 8D5-b IS EXCEEDED

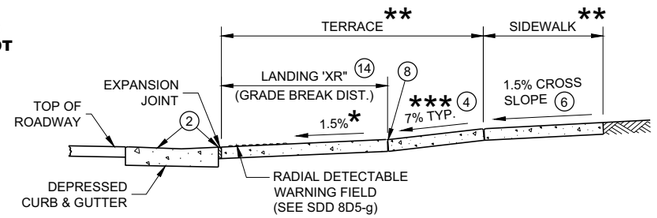


PLAN VIEW

CURB RAMP TYPE 2

(GRADE BREAK DISTANCE GREATER THAN 5 FEET)

(ON LINE WITH SIDEWALK)

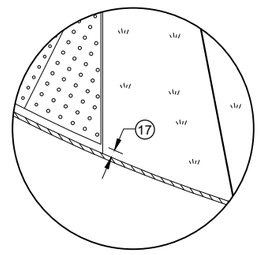


SECTION C - C FOR TYPE 2

* MAXIMUM 2% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK

** WIDTH SHOWN ELSEWHERE IN THE PLANS

*** MAXIMUM 8.33%



DETAIL C

CURB RAMPS RADIAL DETECTABLE WARNING FIELD APPLICATIONS

STATE OF WISCONSIN
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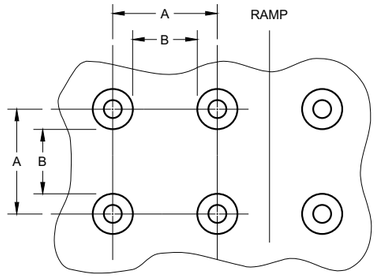
SDD 08D05 - 20f

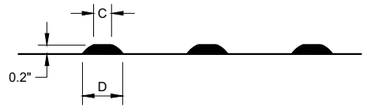
SDD 08D05 - 20f

	MIN.	MAX.
A	1.6"	2.4"
B	0.65"	1.5"
C	*	*
D	0.9"	1.4"

* THE C DIMENSION IS 50% TO 65% OF THE D DIMENSION.

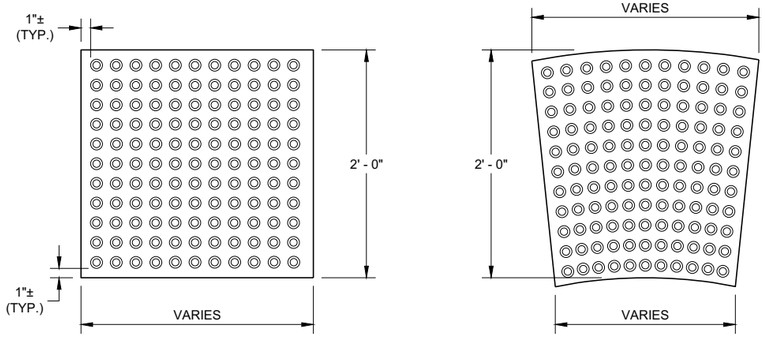


PLAN VIEW



ELEVATION VIEW

TRUNCATED DOMES
DETECTABLE WARNING PATTERN DETAIL



RECTANGULAR PLATES

RADIAL PLATES

PLAN VIEW
DETECTABLE WARNING FIELDS (TYPICAL)

GENERAL NOTES

DETECTABLE WARNING FIELDS THAT ARE INSTALLED AT A CURB RAMP SHALL BE FROM THE SAME MANUFACTURER.

PLACE ALL DETECTABLE WARNING FIELD SYSTEMS IN ACCORDANCE TO THE MANUFACTURER'S RECOMMENDATION.

FIELD CUTS AT INTERMEDIATE JOINTS WITHIN THE RADIAL DETECTABLE WARNING FILED ARE PROHIBITED.

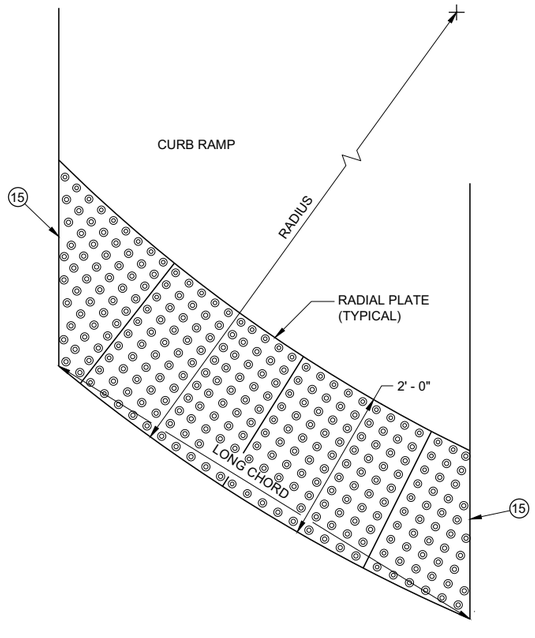
DETERMINE FINAL RADIAL WARNING FIELD CONFIGURATION AND ITS INDIVIDUAL PLATE LOCATIONS. PERFORM PRE-LAYOUT PRIOR TO PLACEMENT IN PLASTIC CONCRETE. FOLLOW MANUFACTURER'S PRODUCT LIST AND INSTALLATION RECOMMENDATIONS.

FOR RADIAL DETECTABLE WARNING FIELD APPLICATIONS WHERE STANDARD RADIAL PLATES ARE NOT AVAILABLE AT AN INTERSECTION CURB RADIUS, A COMBINATION OF SQUARE OR RECTANGULAR PLATES AND RADIAL PLATES MAY BE USED TO FORM RADIAL CONFIGURATION. RADIAL WEDGE PLATES IN COMBINATION WITH SQUARE PLATES ARE ALSO ACCEPTABLE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

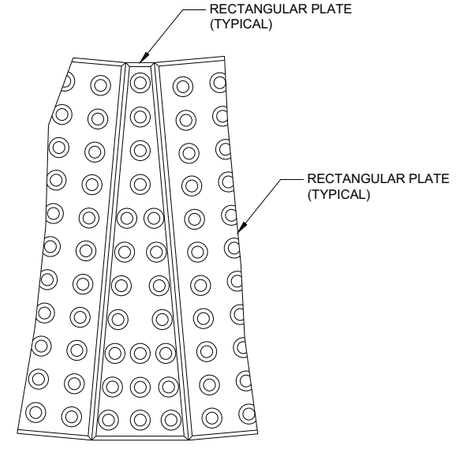
REFER TO CONTRACT AND STANDARD SPECIFICATIONS FOR FIELD CUTTING REQUIREMENTS.

DO NOT EMBED IN CONCRETE ANY FIELD-CUT PLATES WITH CUT EDGES SHORTER THAN 6 INCHES. CONSULT WITH MANUFACTURER FOR RE-DRILLING AND ANCHORING REQUIREMENTS OF FIELD-CUT PLATES.

(15) FIELD SAW CUTS ALONG RADIAL DETECTABLE WARNING PLATES WILL BE NECESSARY TO MATCH EACH CURB RAMP EDGE. AVOID CUTTING THROUGH DOMES WHENEVER POSSIBLE. MAKE FIELD CUTS TRUE TO LINE AND WITHIN ⅛" DEVIATION. SMOOTH EDGES OF FIELD CUT PLATES.



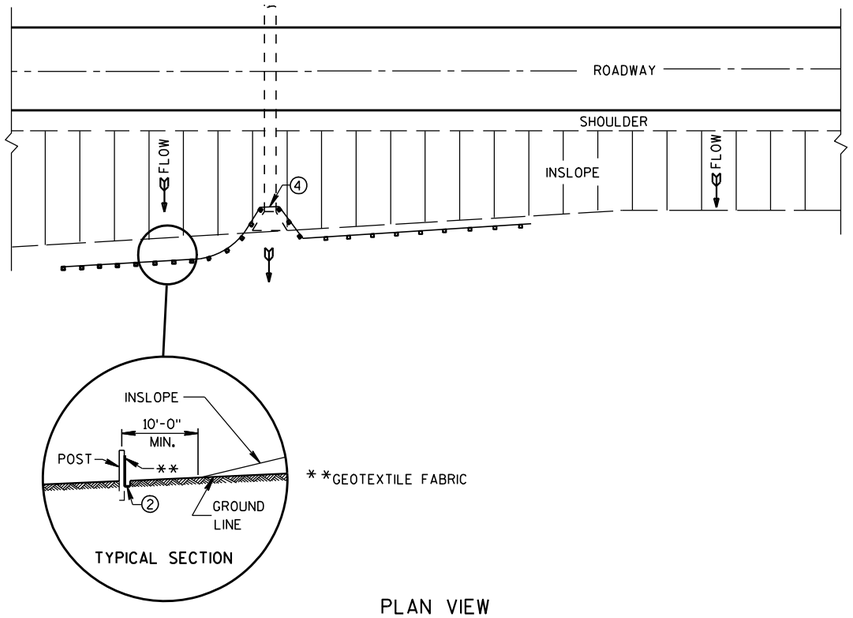
PLAN VIEW
RADIAL DETECTABLE WARNING FIELD ATTRIBUTES



PLAN VIEW
RADIAL WEDGE PLATE CONNECTION DETAIL

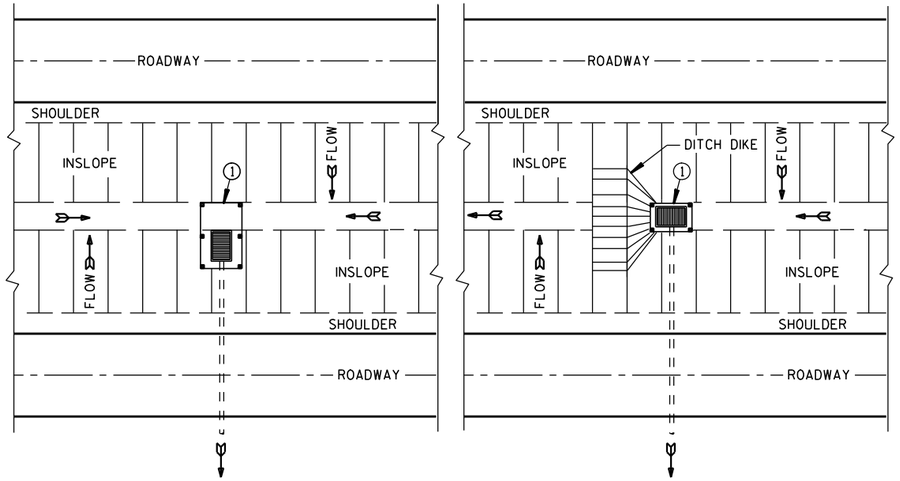
CURB RAMPS RECTANGULAR AND RADIAL DETECTABLE WARNING PLATES	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
APPROVED	
May 2019 DATE	/S/ Rodney Taylor ROADWAY STANDARDS DEVE UNIT SUPERVISOR

FHWA



PLAN VIEW

TYPICAL APPLICATION OF SILT FENCE



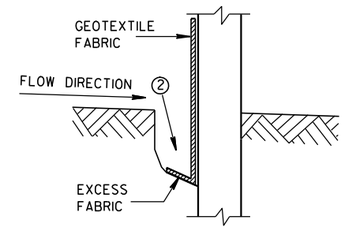
PLAN VIEW

SILT FENCE AT MEDIAN SURFACE DRAINS

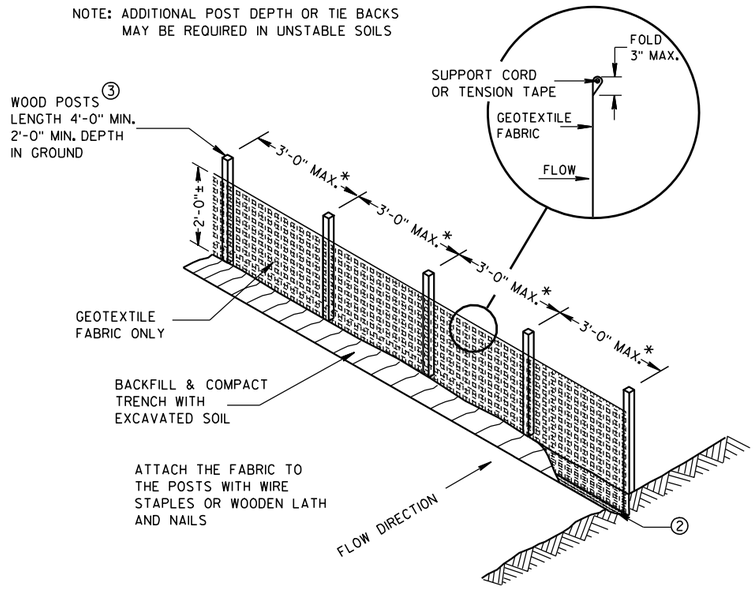
GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

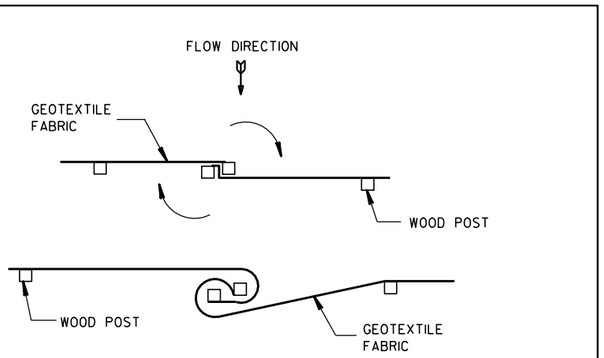
1. HORIZONTAL BRACE REQUIRED WITH 2" X 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
2. FOR MANUAL INSTALLATIONS THE TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
3. WOOD POSTS SHALL BE A MINIMUM SIZE OF 1⅛" X 1⅛" OF OAK OR HICKORY.
4. SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
5. CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.



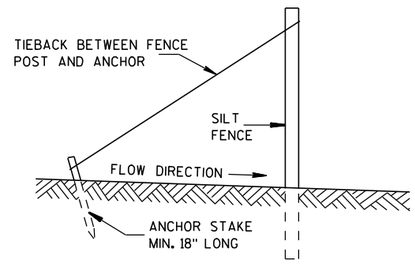
TRENCH DETAIL



SILT FENCE



JOINING TWO LENGTHS OF SILT FENCE 5



SILT FENCE TIE BACK

(WHEN REQUIRED BY THE ENGINEER)

SILT FENCE

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
4-29-05 DATE
/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER
FHWA

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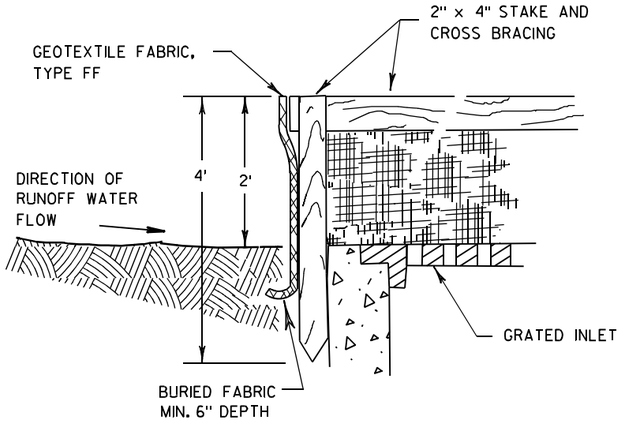
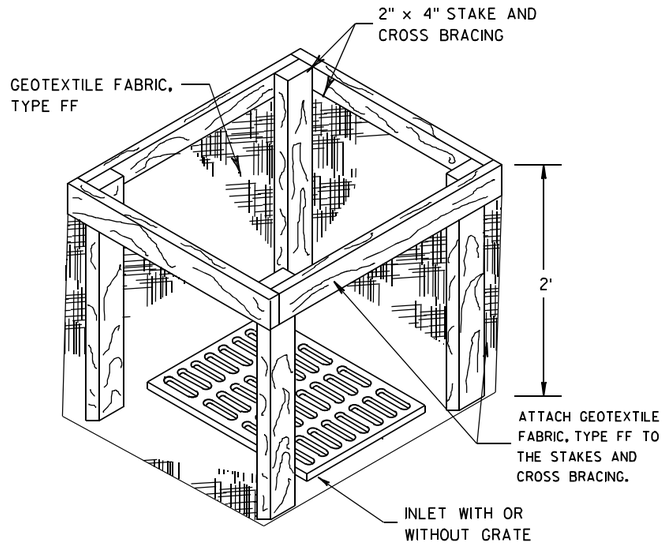
S.D.D. 8 E 9-6

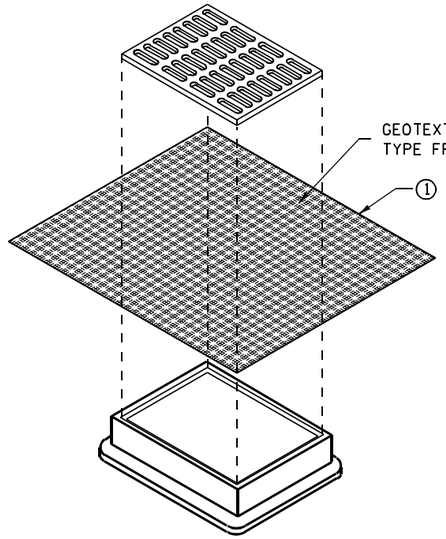
6

S.D.D. 8 E 9-6



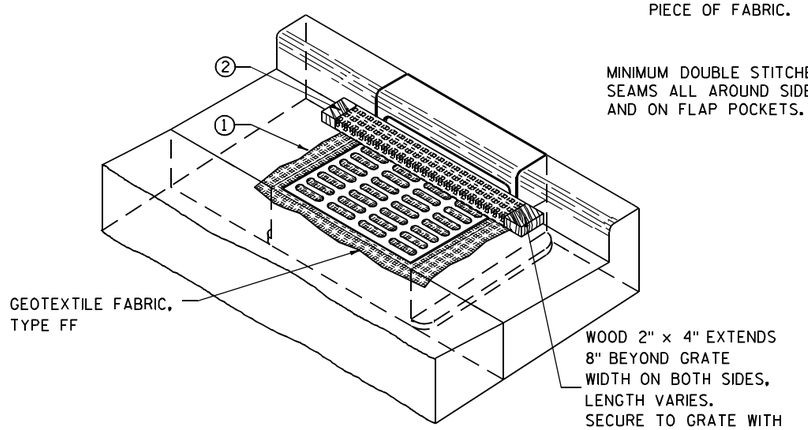


INLET PROTECTION, TYPE A

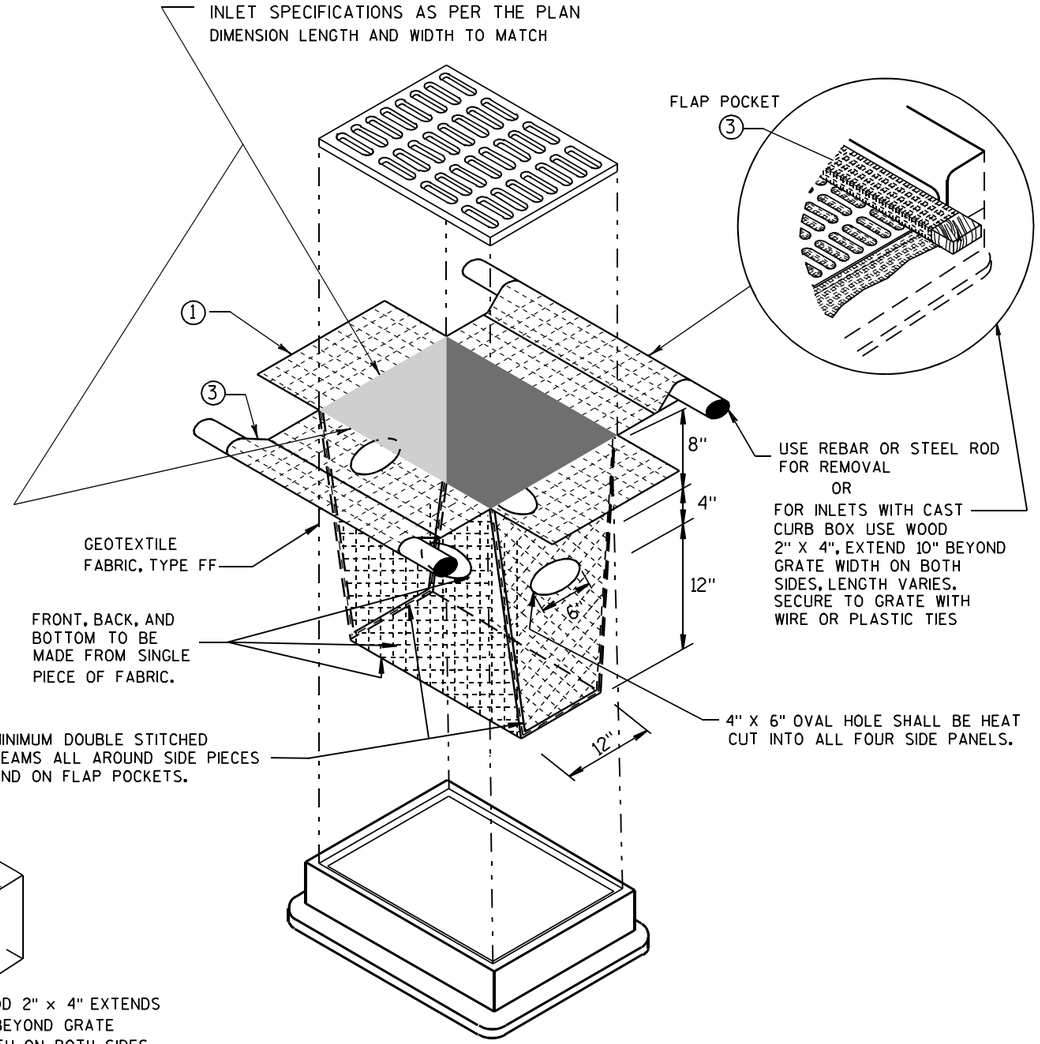


INLET PROTECTION, TYPE B
(WITHOUT CURB BOX)

(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)



INLET PROTECTION, TYPE D

(CAN BE INSTALLED IN ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ②)

GENERAL NOTES

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

INSTALLATION NOTES

TYPE B & C

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION
TYPE A, B, C, AND D

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

10/16/02
DATE

/S/ Beth Cannestra
CHIEF ROADWAY DEVELOPMENT ENGINEER

FHWA

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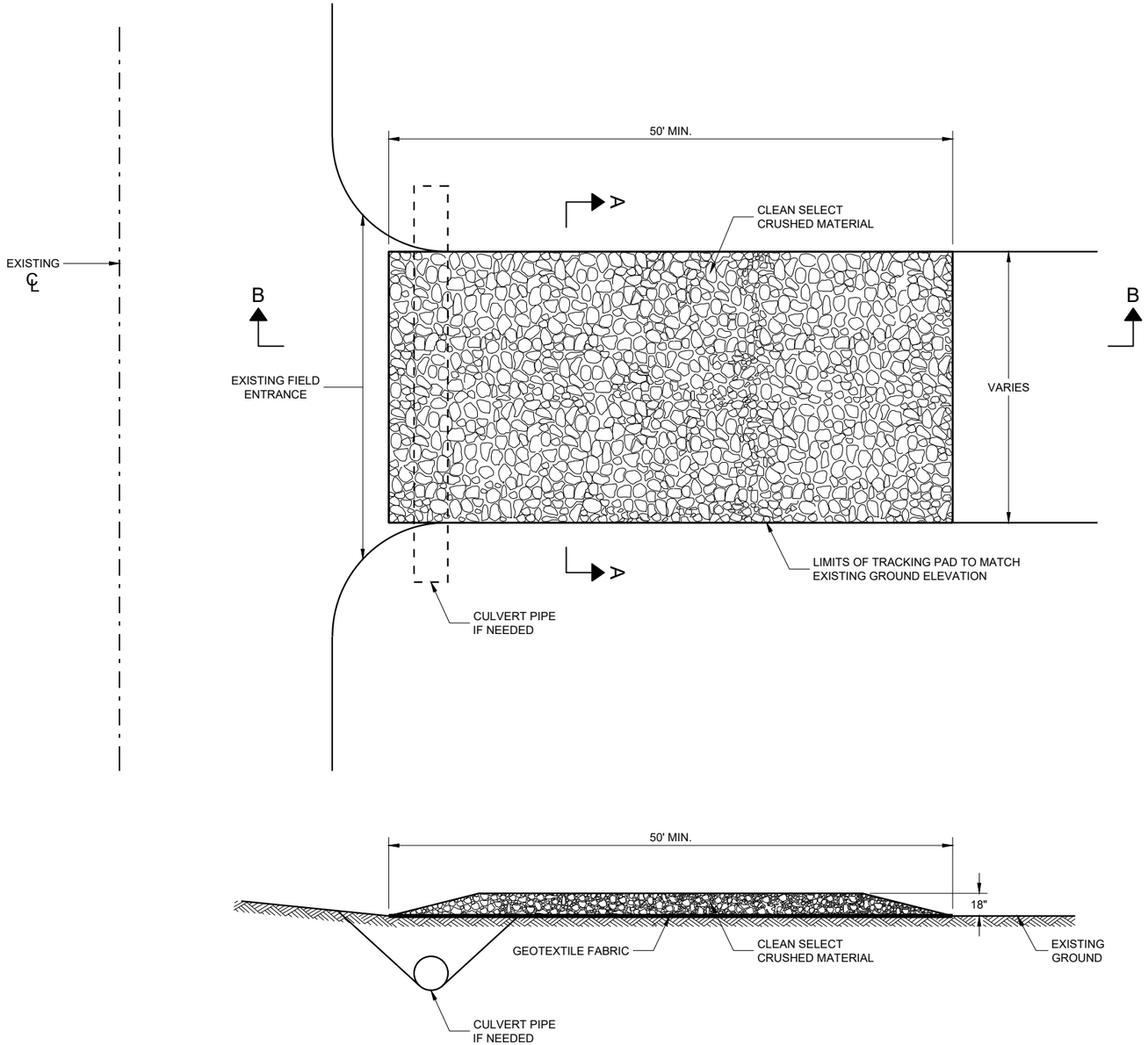
S.D.D. 8 E 10-2



SECTION B - B

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

TRACKING PAD SHALL BE INSPECTED DAILY. DEFICIENT AREAS SHALL BE REPAIRED OR REPLACED IMMEDIATELY.

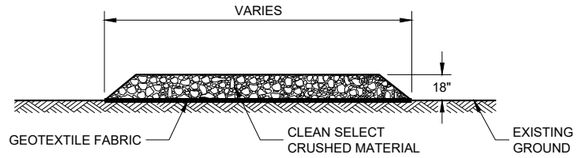
TRACKING PAD TO BE REMOVED AFTER CONSTRUCTION IS COMPLETED.

TRACKING PAD SHALL BE THE FULL WIDTH OF THE EGRESS POINT.

SURFACE WATER MUST BE PREVENTED FROM PASSING THROUGH THE TRACKING PAD. FLOWS SHALL BE DIVERTED AWAY, AROUND OR CONVEYED UNDER THE TRACKING PAD.

CULVERT PIPE OR OTHER BMP USED TO DIVERT WATER AWAY, AROUND OR UNDER THE TRACKING PAD SHALL BE DESIGNED TO CONVEY THE 2 YEAR - 24 HOUR EVENT.

THE COST OF ADDITIONAL BMP TO DIVERT WATER ARE INCIDENTAL TO THE TRACKING PAD BID ITEM.



SECTION A - A

6

SDD 08E14 - 01

TRACKING PAD

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
3/24/2011
DATE
/S/ Jerry H. Zogg
ROADWAY STANDARDS DEVE ENGINEER

FHWA

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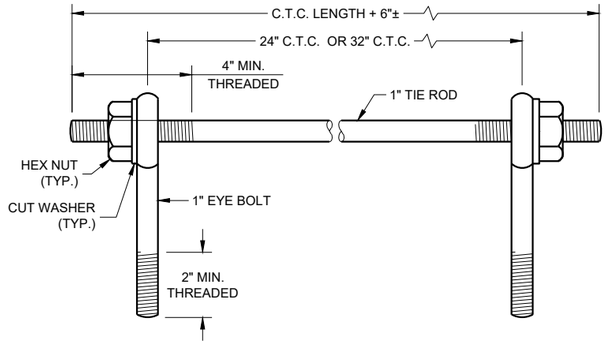
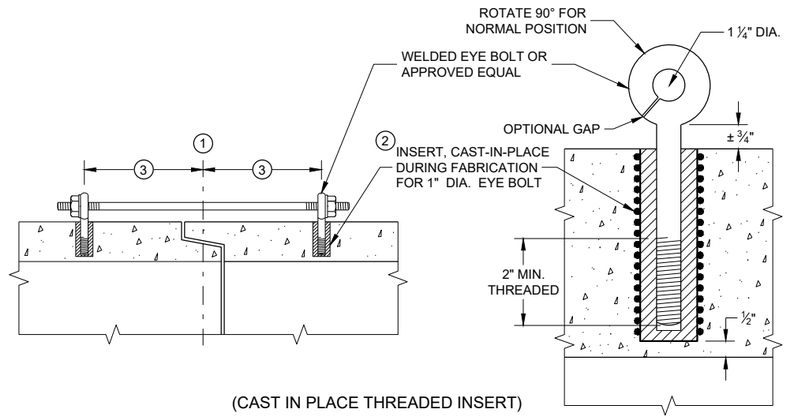
SDD 08E14 - 01



EYE BOLTS AND TIE ROD



(CAST IN PLACE THREADED INSERT)

LONGITUDINAL SECTIONS

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 1)

GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS, AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

CONCRETE CULVERT AND STORM SEWER PIPE SHALL BE TIED TOGETHER IN THE MANNER ILLUSTRATED BY THIS DETAIL AT LOCATIONS DESIGNATED IN THE STANDARD SPECIFICATIONS AND THE PLAN. THE CONTRACTOR MAY USE EITHER ALTERNATE 1, 2 OR 3 FOR DRAINAGE STRUCTURES. ONLY ALTERNATE 1 AND 3 MAY BE USED FOR CATTLE PASSES, UNLESS OTHERWISE STATED IN THE CONTRACT. THE MATERIALS, FABRICATION AND WORK NECESSARY TO TIE THE PIPE BY THIS DETAIL WILL BE CONSIDERED INCIDENTAL TO THE PIPE AND APRON ENDWALLS IF REQUIRED.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR JOINT TIES SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

JOINT TIES TO BE HOT-DIP GALVANIZED PER ASTM A 153.

(1) CENTER LINE OF TONGUE AND GROOVE OR BELL AND SPIGOT JOINTS.

(2) THE INSIDE OF THE THREADED INSERTS SHALL BE CLEAN TO ALLOW THE INSERTION OF THREADED EYE BOLTS.

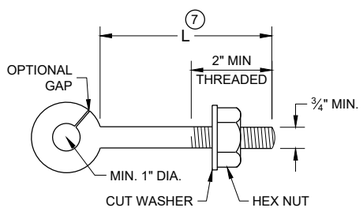
(3) HOLES SHALL BE CAST-IN-PLACE OR DRILLED PER THE APPLICABLE DETAIL, AND EQUAL DISTANCE FROM THE CENTERLINE OF THE JOINT.

(4) BOLT PROJECTION INSIDE OF PIPE SHALL NOT EXCEED 2 INCHES.

(5) OPENING TO BE ROD DIAMETER PLUS 1 INCH.

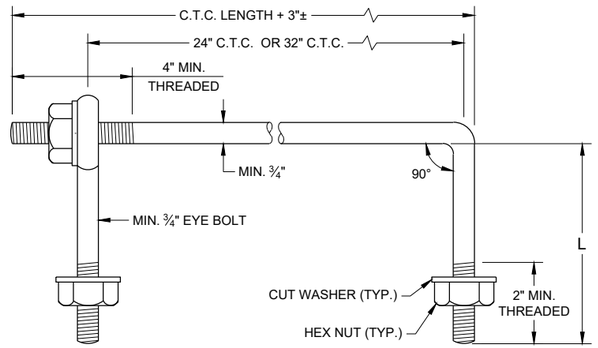
(6) LENGTH ADEQUATE TO EXTEND TO WITHIN ½ INCH OF THE INNER SURFACE OF THE PIPE.

(7) EYE BOLT LENGTH DETERMINED BY WALL THICKNESS, BELL THICKNESS AND BOLT PROJECTION INSIDE PIPE.

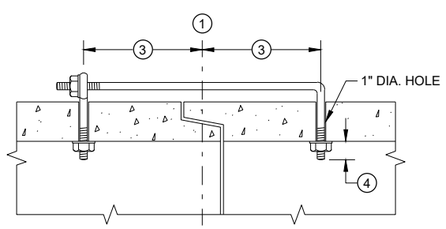


EYE BOLT (7)

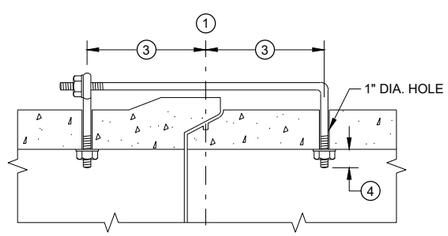
NOTE: TWO EYE BOLTS MAY BE USED WITH A 30" OR 38" LONG THREADED ROD IN LIEU OF THE 90° BENT TIE ROD.



EYE BOLT AND TIE ROD



(TONGUE AND GROOVE PIPE)



(MODIFIED BELL PIPE)

LONGITUDINAL SECTION

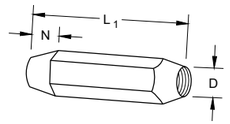
(JOINT TIES FOR 18" TO 66" DIA. CONCRETE PIPE)

EYE BOLT AND TIE ROD ASSEMBLY (ALTERNATE NO. 2)

ADJUSTABLE TIE ROD TABLE

PIPE DIAMETER	TIE ROD DIAMETER	D	L_1	N
12 - 60	⅝	⅝	5	½
66 - 84	¾	¾	5	½
90 - 144	1	1	7	1 7/16

DIMENSIONS SHOWN ARE IN INCHES



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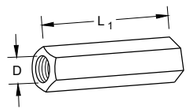
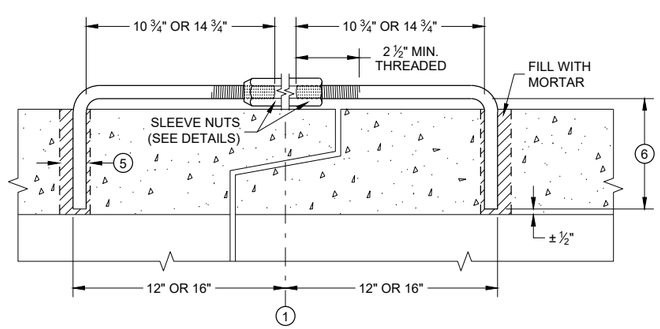


PLAIN

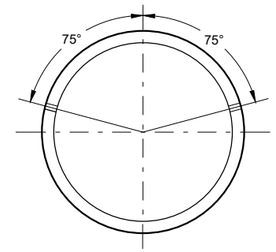
RIGHT AND LEFT THREADS

SLEEVE NUTS



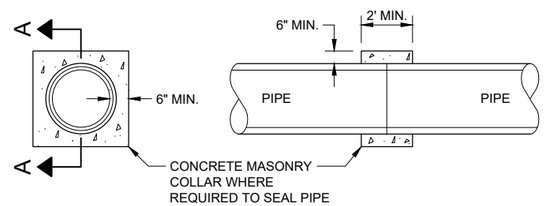
LONGITUDINAL SECTION

ADJUSTABLE TIE ROD (ALTERNATE NO. 3)



PLACEMENT OF (2) CAST-IN-PLACE INSERTS OR HOLES DURING FABRICATION FOR PIPE SECTIONS REQUIRING TIE RODS

TRANSVERSE SECTION



SECTION A - A

CONCRETE COLLAR DETAIL

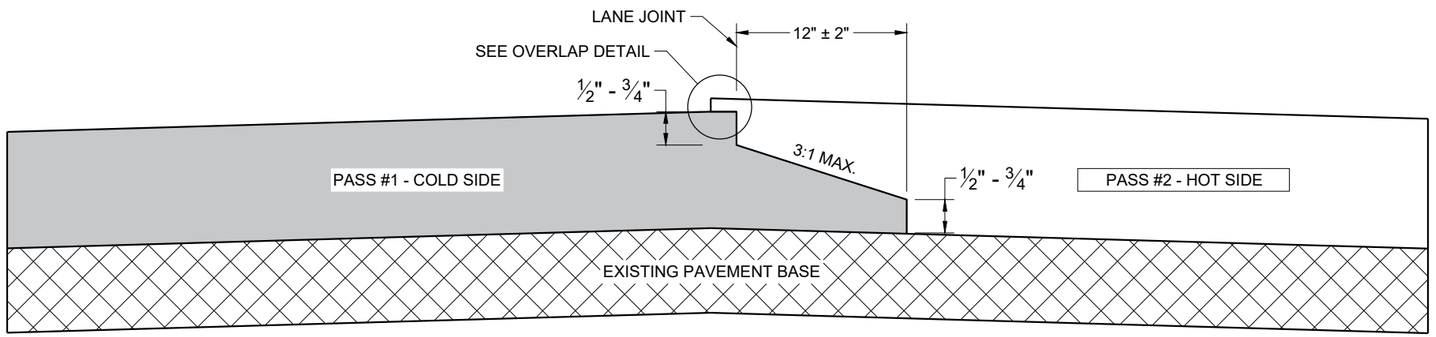
JOINT TIES FOR CONCRETE PIPE AND CONCRETE COLLAR DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

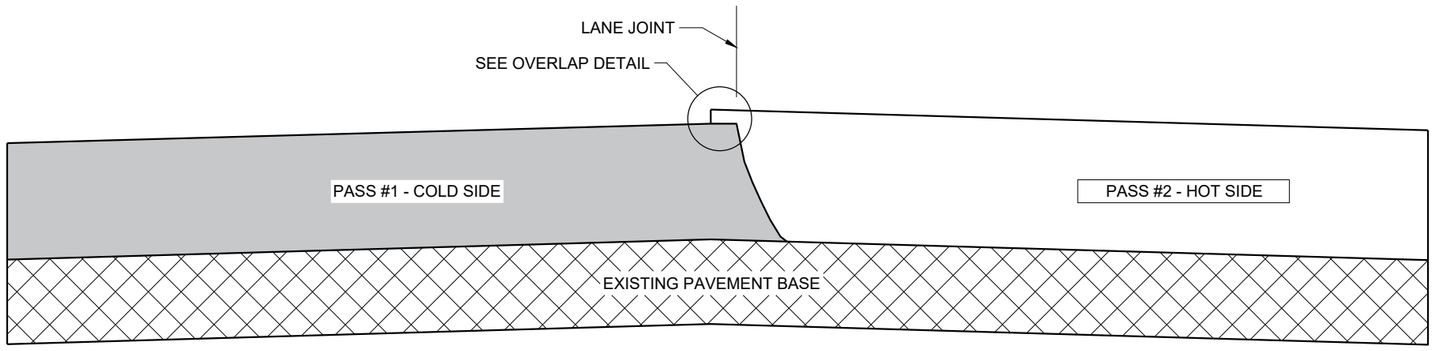
APPROVED
November 2021
DATE
/S/ Rodney Taylor
ROADWAY STANDARDS DEVE ENGINEER

FHWA

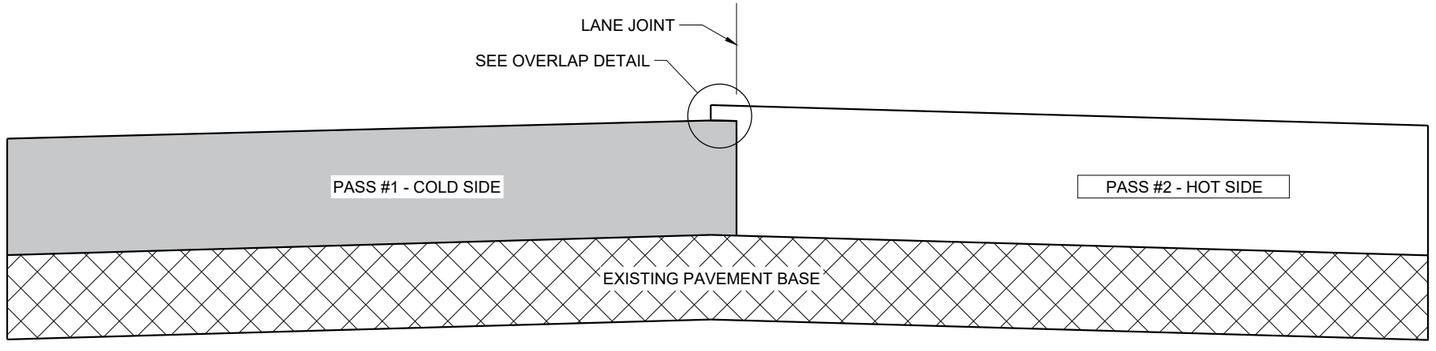
6
SDD 08F04 - 08



TYPICAL PAVEMENT CROSS SECTION
NOTCHED WEDGE JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT



TYPICAL PAVEMENT CROSS SECTION
VERTICAL JOINT (MILLED)

GENERAL NOTES

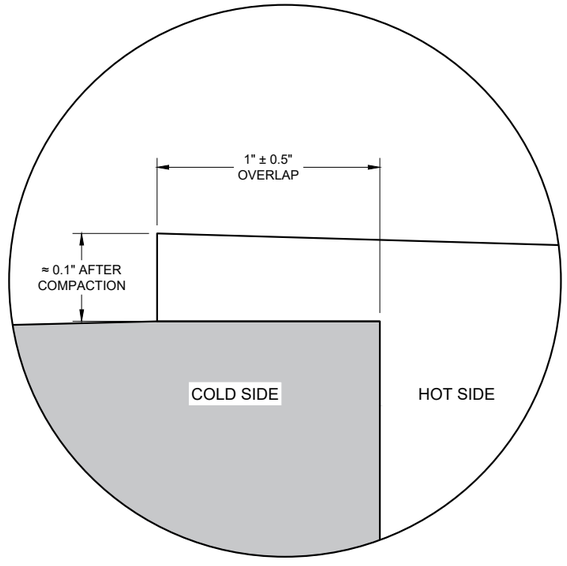
IN ADDITION TO THE DETAILS PROVIDED IN THIS DRAWING, CONFORM TO STANDARD SPECIFICATION 450.3.2.8 FOR WHEN A NOTCHED WEDGE JOINT IS REQUIRED AND FOR GENERAL JOINT CONSTRUCTION REQUIREMENTS.

FOR ALL LONGITUDINAL JOINTS, ENSURE THE PAVER SCREED OVERLAPS THE PREVIOUSLY PLACED PAVEMENT BY 1" ± 0.5" AND THE HOT SIDE OF THE JOINT REMAINS HIGHER THAN THE COLD SIDE BY APPROXIMATELY 0.1" AFTER FINAL COMPACTION. (IT WILL BE FLUSH WHEN PAVING IN ECHELON.)

ONLY REMOVE THE LONGITUDINAL NOTCHED WEDGE JOINT FOR SMA PAVEMENT OR AS DIRECTED BY THE ENGINEER TO ADDRESS SPECIFIC LENGTHS OF JOINT DAMAGED BY TRAFFIC.

WHEN MILLING BACK OR REMOVING ANY LONGITUDINAL JOINT, LIMIT THE MATERIAL REMOVED TO 2" FROM THE TOP NOTCH OR FROM THE VERTICAL JOINT EDGE ON THE COLD SIDE OF THE JOINT.

USE LONGITUDINAL MILLED JOINT AS PLANS SHOW OR THE AS THE ENGINEER DIRECTS.



OVERLAP DETAIL (TYPICAL)

6

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SDD 13C19 - 03

SDD 13C19 - 03

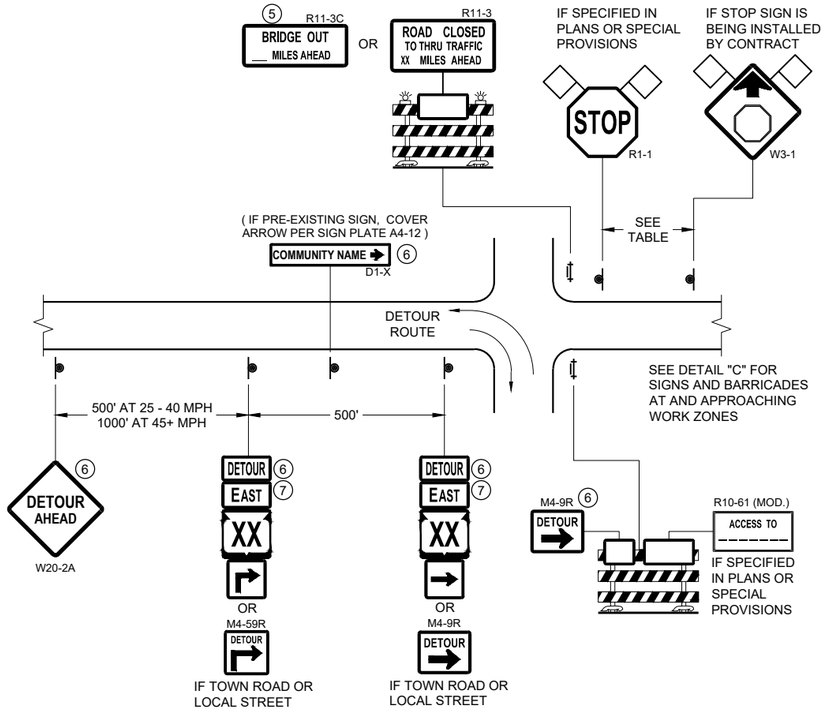
HMA LONGITUDINAL JOINTS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2020
DATE

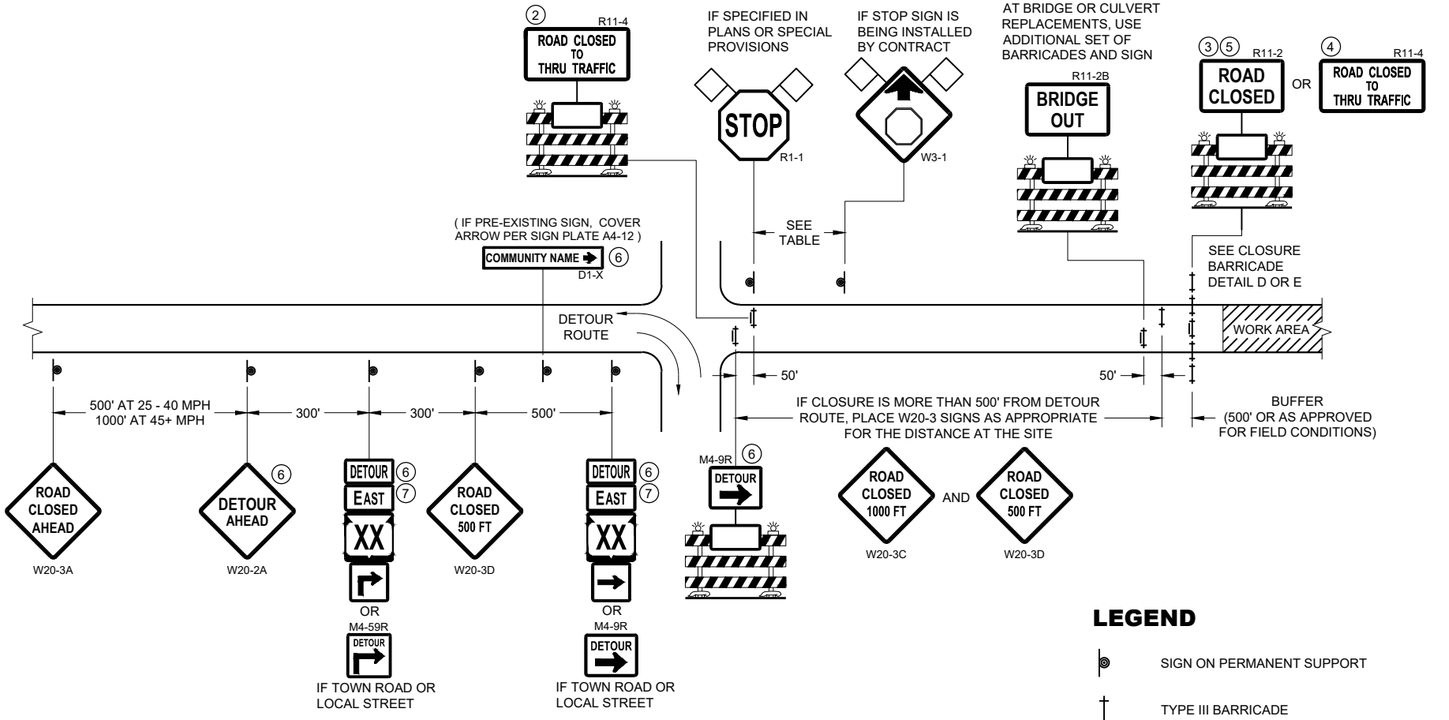
/S/ Steven Hefel
HMA PAVEMENT ENGIN

FHWA



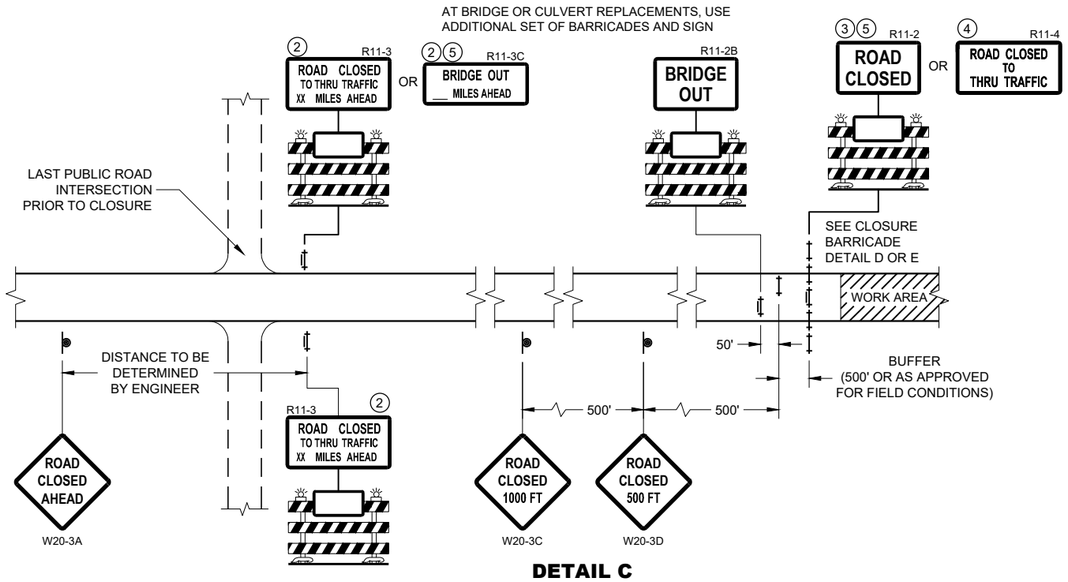
DETAIL A
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE GREATER THAN OR EQUAL TO ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL B
MAINLINE CLOSURE WITH POSTED DETOUR

WORK ZONE LESS THAN ½ MILE FROM DETOUR ROUTE (1000 FEET IF URBAN)



DETAIL C
MAINLINE CLOSURE, NO POSTED DETOUR

SPEED LIMIT (MPH)	"STOP AHEAD" ADVANCE WARNING DISTANCE (FT)
25	200
30	200
35	350
40	350
45	500
50	550
55	750

SEE SDD 15C2-SHEET "b"
FOR GENERAL NOTES
AND FOOTNOTES ① THROUGH ⑦

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA
- FLAGS, 16" X 16" MIN. (ORANGE)

DETOUR M4 - 8
EAST M3 - X
XX M1 - 4 OR XX M1 - 6 OR COUNTY X M1 - 5A
M05 - 1 OR M06 - 1

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

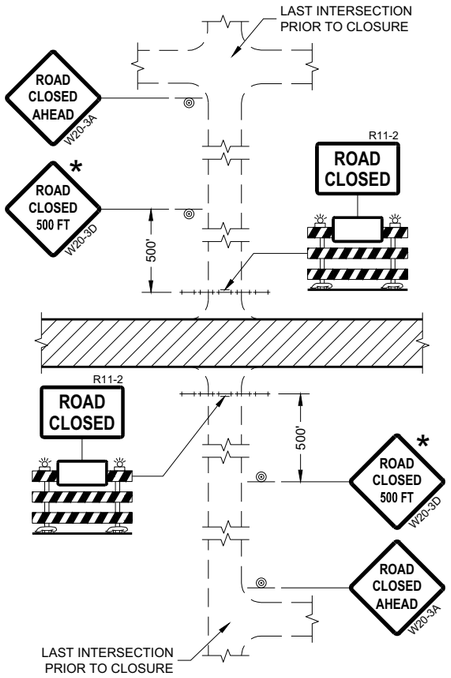
APPROVED
May 2023
DATE
/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

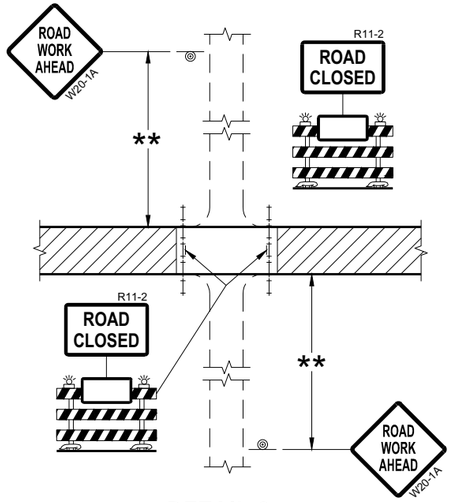
6

SDD 15C02 - 09a

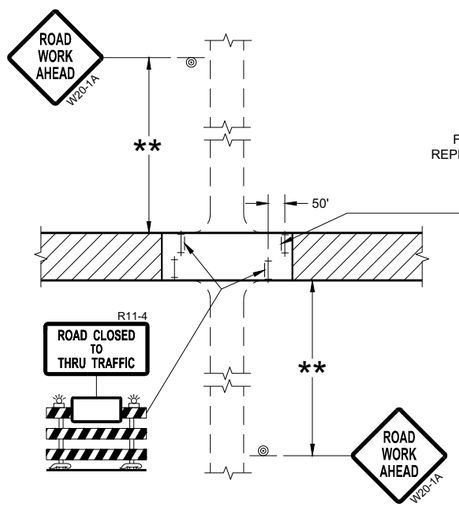
SDD 15C02 - 09a



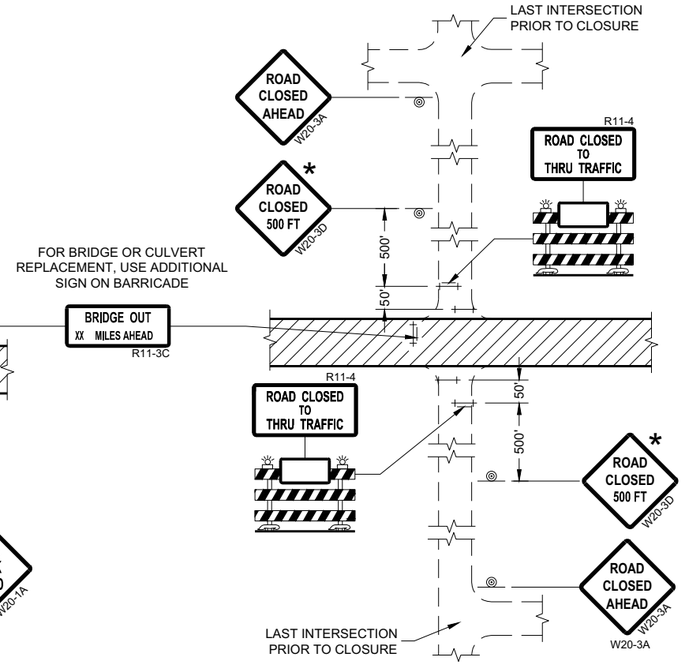
DETAIL 1
(NO ACCESS TO PROJECT)



DETAIL 2
(PUBLIC CROSS-TRAFFIC MAINTAINED.
NO ACCESS TO PROJECT)



DETAIL 3
(PUBLIC CROSS-TRAFFIC MAINTAINED.
CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)



DETAIL 4
(CONTRACTOR, LOCAL BUSINESS AND
RESIDENT ACCESS TO PROJECT)

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE (500 FEET DESIRABLE) TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY REESTABLISHED UPON COMPLETION OF THE OPERATION OR FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL "D" FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE BARRICADE.

THE R11-2, R11-3, AND R11-4 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:
R11-2 SHALL BE 48" X 30".
R11-4 AND R11-3 SHALL BE 60" X 30".

* OMIT THE "ROAD CLOSED 500 FT." SIGN IF THE LAST INTERSECTION IS 500 FEET OR LESS FROM THE WORK ZONE.

** 500' MAX. OR AT LAST INTERSECTION, WHICHEVER IS CLOSEST.

LEGEND

- SIGN ON PERMANENT SUPPORT
- TYPE III BARRICADE
- TYPE III BARRICADE WITH ATTACHED SIGN
- TYPE "A" WARNING LIGHT (FLASHING)
- WORK AREA

BARRICADES AND SIGNS FOR SIDEROAD CLOSURES

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C03 - 05

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS.

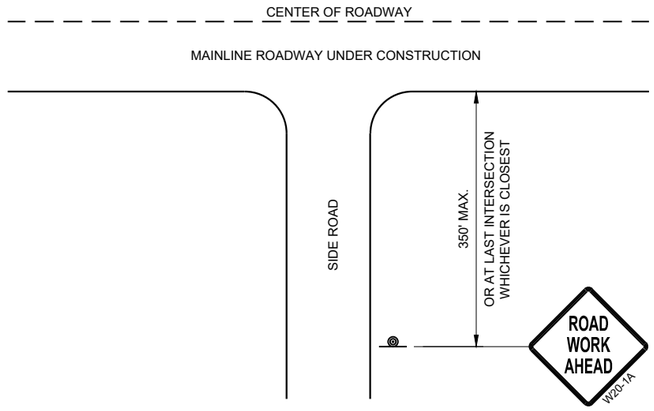
THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS, 36"X36" SIGNS MAY BE USED INSTEAD OF 48" X 48" SIGNS.

SIGNS THAT WILL BE IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

IF A "STOP" SIGN MUST BE REMOVED FOR A WORK OPERATION, A TEMPORARY "STOP" SIGN SHALL BE PLACED PRIOR TO THE SIGN REMOVAL, OR A FLAGGER SHALL BE PROVIDED UNTIL THE SIGN IS REESTABLISHED.

* THE THIRD W20-1 SIGN IS REQUIRED ONLY IF THERE IS AN INTERSECTION BETWEEN THE "ROAD WORK 500 FEET" SIGN AND THE WORK ZONE. ADJUST THE PLACEMENT OF THIS SIGN BASED ON INTERSECTION LOCATION AND OTHER FIELD CONDITIONS.



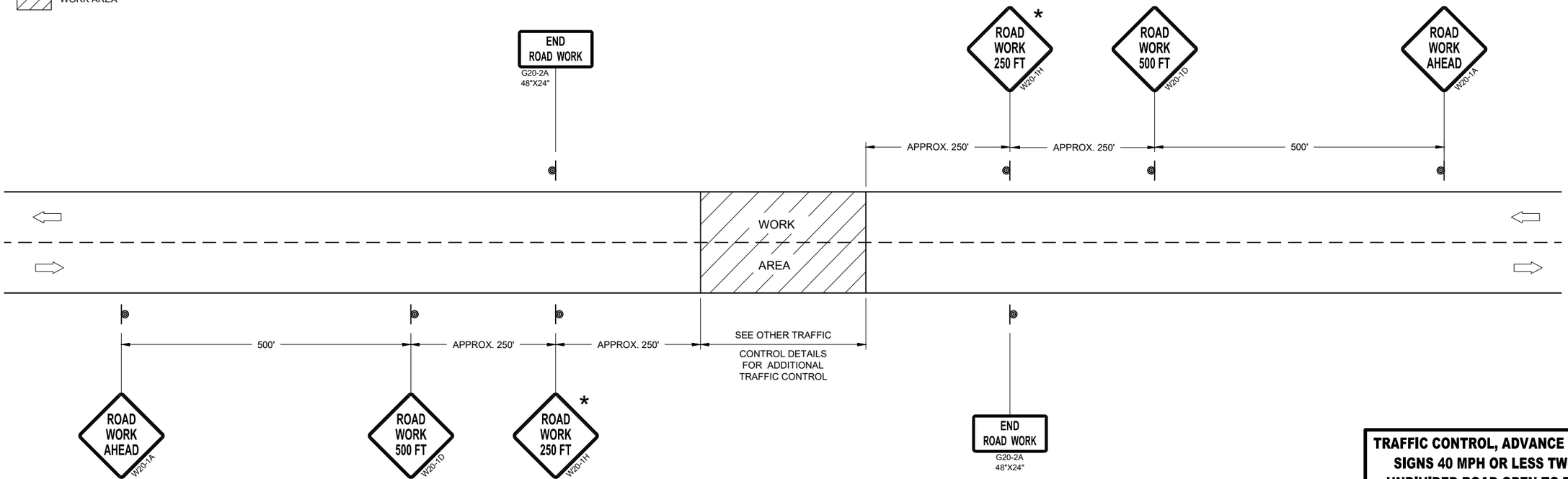
TYPICAL SIDE ROAD APPROACH WARNING SIGN DETAIL

LEGEND

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC

WORK AREA



TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40MPH OR LESS

TRAFFIC CONTROL, ADVANCE WARNING SIGNS 40 MPH OR LESS TWO-WAY UNDIVIDED ROAD OPEN TO TRAFFIC

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
July 2018
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEE

FHWA

6

SDD 15C05 - 05

* CONFIRM MARKING LINE WIDTH WITH THE MISCELLANEOUS QUANTITIES

GENERAL NOTES

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.

(1) LOCATE THE NO PASSING ZONE W14-3 SIGN WITHIN 50 FEET OF THE "T" MARKING

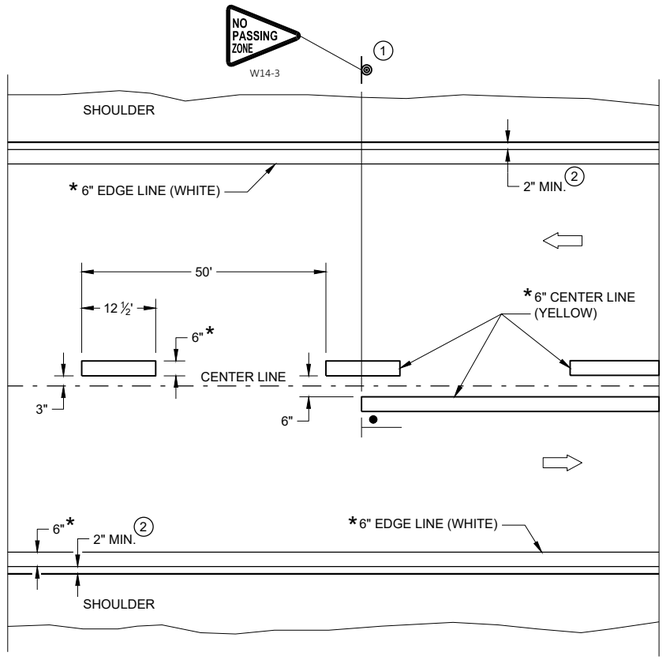
(2) MEASURE FROM EDGE OF MARKING TO JOINT LINE. THIS DOES NOT INCLUDE SPACE NEEDED FOR GROOVING OPERATIONS.

LEGEND

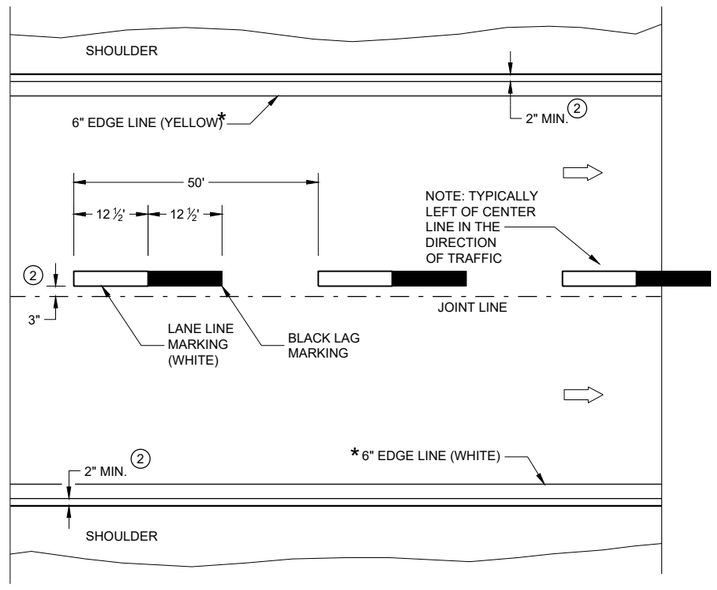
"T" MARKING

SIGN ON PERMANENT SUPPORT

DIRECTION OF TRAFFIC



TWO WAY TRAFFIC



ONE WAY TRAFFIC

PERMANENT PAVEMENT MARKING

PERMANENT LONGITUDINAL PAVEMENT MARKINGS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED

May 2023
DATE

/S/ Jeannie Silver
STATEWIDE SIGNING AND M ENGINEER

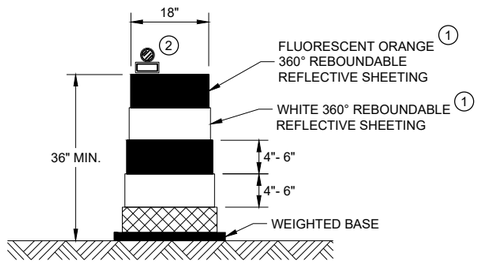
FHWA

6

SDD 15C08-23a

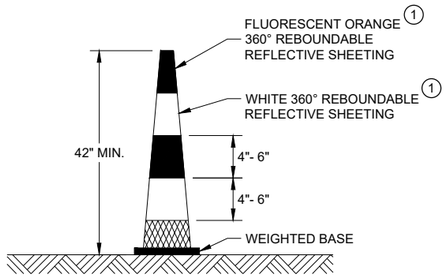
GENERAL NOTES

1. REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
2. LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



DRUM

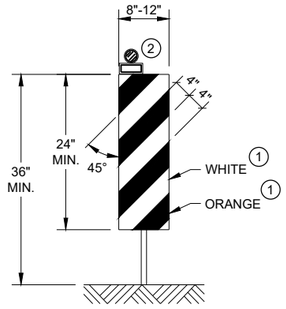
BALLAST WIDTHS
RANGE FROM 24"-36"



42" CONE

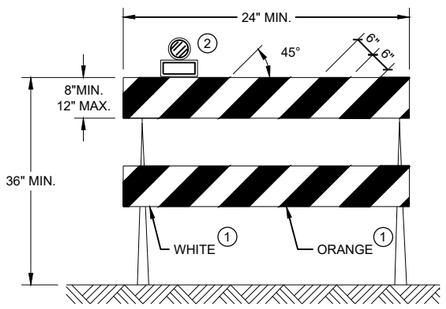
DO NOT USE IN TAPERS
½ SPACING OF DRUMS

BALLAST WIDTHS
RANGE FROM 14"-20"



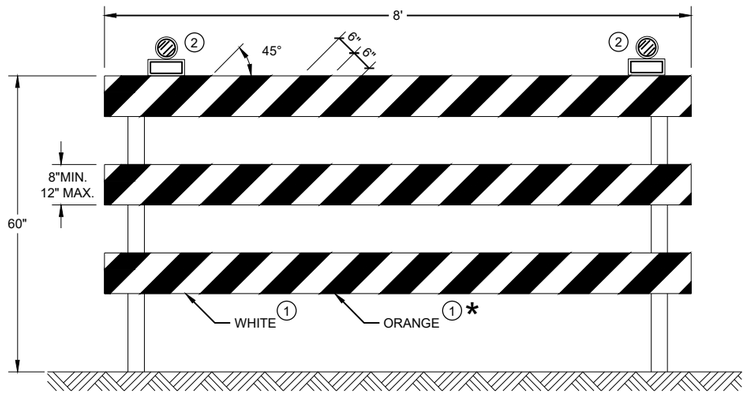
VERTICAL PANEL

THE STRIPES SHALL SLOPE DOWNWARD TO
THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE II BARRICADE

FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES
MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD
TO THE TRAFFIC SIDE FOR CHANNELIZATION.



TYPE III BARRICADE

IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP
TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.

* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

CHANNELIZING DEVICES DRUMS, CONES, BARRICADES AND VERTICAL PANELS

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2022
DATE

/S/ Andrew Heidtke
WORK ZONE ENGINEER

FHWA

6

SDD 15C11 - 10b

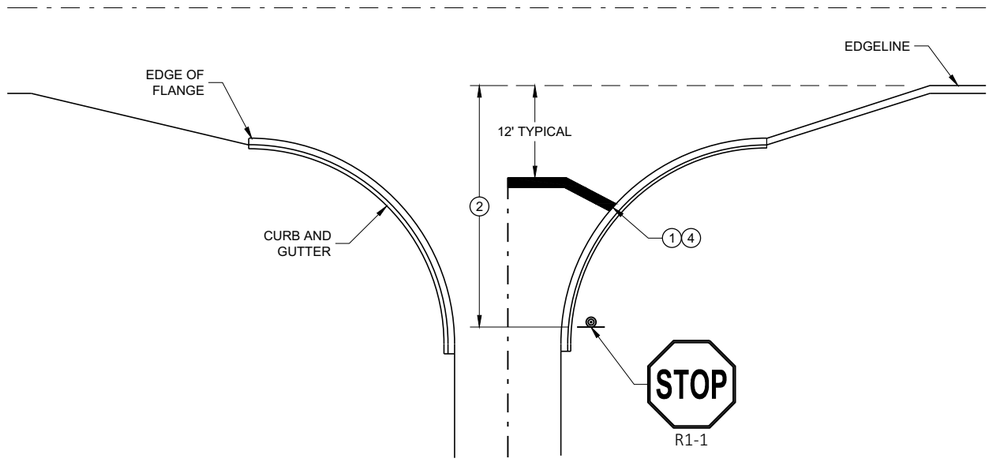
6

SDD 15C11 - 10b

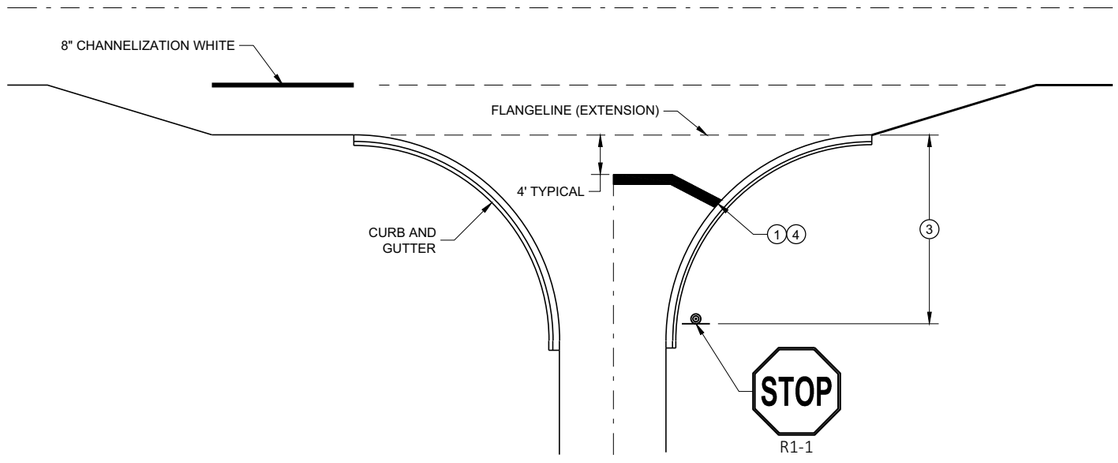
GENERAL NOTES

STOP SIGN SHALL BE PLACED A MINIMUM OF 6 FEET TO A MAXIMUM OF 50 FEET FROM THE EDGELINE LOCATION.

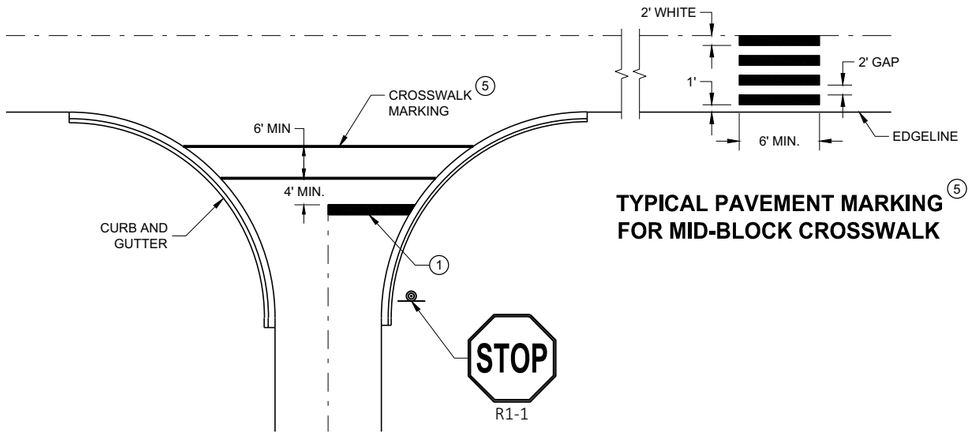
1. 18-INCH STOP LINES MAY BE DELETED OR ADDED BY THE REGION MARKING ENGINEER BASED ON VISIBILITY AND SIGHT LINES.
2. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 40 FEET FROM THE EDGELINE.
3. NO STOP LINE IS REQUIRED IF STOP SIGN IS LESS THAN OR EQUAL TO 30 FEET FROM THE FLANGELINE EXTENSION.
4. MOVE CLOSER TO THE EDGE OF TRAVEL LINE AS NEEDED FOR VISIBILITY AND SIGHT LINES (NO CLOSER THAN 4 FEET).
5. LADDER BAR CROSSWALKS SHOULD ONLY BE USED FOR MID BLOCK CROSSINGS. USE 2 - 6" TRANSVERSE LINES INSTEAD.



TYPICAL STOP LINE PAVEMENT MARKING WITH CURB AND GUTTER

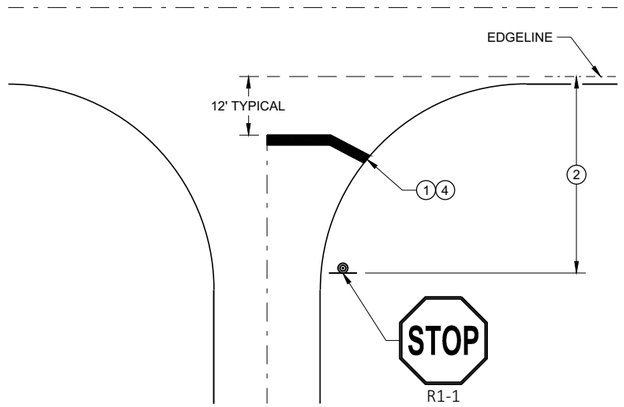


TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH RIGHT TURN LANE



TYPICAL PAVEMENT MARKING FOR MID-BLOCK CROSSWALK 5

TYPICAL STOP LINE PAVEMENT MARKING FOR SIDEROADS WITH CROSSWALK MARKING



TYPICAL STOP LINE PAVEMENT MARKING WITHOUT CURB AND GUTTER

STOP LINE AND CROSSWALK PAVEMENT MARKING

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
November 2019 — DATE
/S/ Matthew Rauch — STATE SIGNING AND MARKING ENGINEER

FHWA

6
SDD 15C33 - 04

LEGEND

SIGN ON PERMANENT SUPPORT

TRAFFIC CONTROL DRUM

DIRECTION OF TRAFFIC

WORK ZONE

GENERAL NOTES

ALL SIGNS ARE 48"X48" UNLESS OTHERWISE NOTED. IF NECESSARY DUE TO SPACE CONSTRAINTS IN URBAN AREAS, 36" X 36" SIGNS MAY BE USED IF APPROVED BY THE REGIONAL TRAFFIC UNIT.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

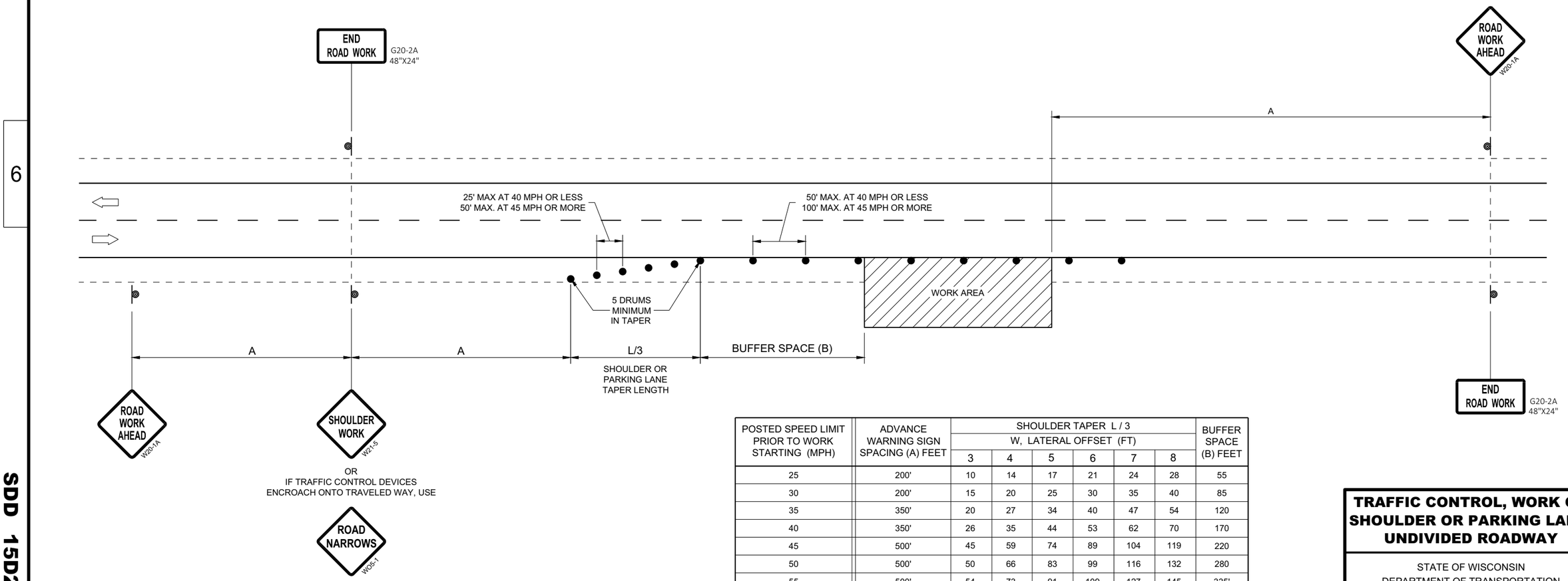
ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH THE TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

CHANNELIZING DEVICES PLACED ADJACENT TO WORK AREA SHALL BE PULLED BACK FROM THE TRAVEL LANE WHEN WORK IS NOT IN PROGRESS.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

W20-1A AND G20-2A SIGNS ARE NOT REQUIRED IF THE WORK AREA IS WITHIN A LARGER WORK ZONE WHERE THESE SIGNS ARE ALREADY PRESENT. G20-2A SIGNS MAY ALSO BE OMITTED IF DURATION OF WORK IS LESS THAN 7 CONTINUOUS DAYS AND NIGHTS.



POSTED SPEED LIMIT PRIOR TO WORK STARTING (MPH)	ADVANCE WARNING SIGN SPACING (A) FEET	SHOULDER TAPER L / 3 W, LATERAL OFFSET (FT)						BUFFER SPACE (B) FEET
		3	4	5	6	7	8	
25	200'	10	14	17	21	24	28	55
30	200'	15	20	25	30	35	40	85
35	350'	20	27	34	40	47	54	120
40	350'	26	35	44	53	62	70	170
45	500'	45	59	74	89	104	119	220
50	500'	50	66	83	99	116	132	280
55	500'	54	73	91	109	127	145	335'

TRAFFIC CONTROL, WORK ON SHOULDER OR PARKING LANE, UNDIVIDED ROADWAY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

APPROVED
May 2020
DATE

/S/ Andrew Heidtke
STATEWIDE WORK ZONE T SAFETY ENGINEER

FHWA

SDD 15D28 - 04

SDD 15D28 - 04

GENERAL NOTES

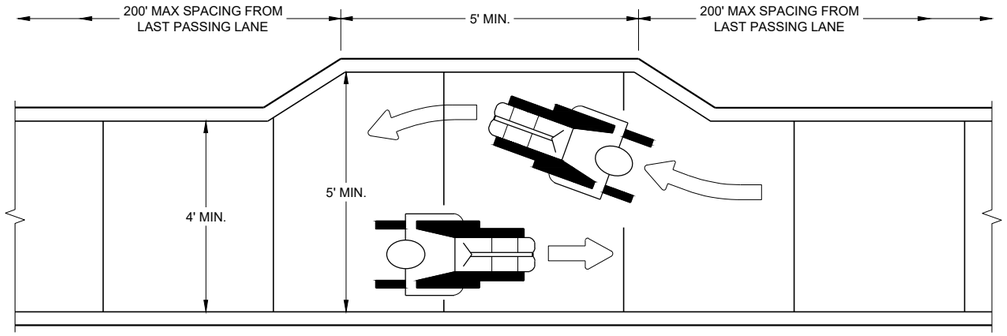
BARRICADE DEVICE SELECTED FROM APPROVED PRODUCT LIST

(1) REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.

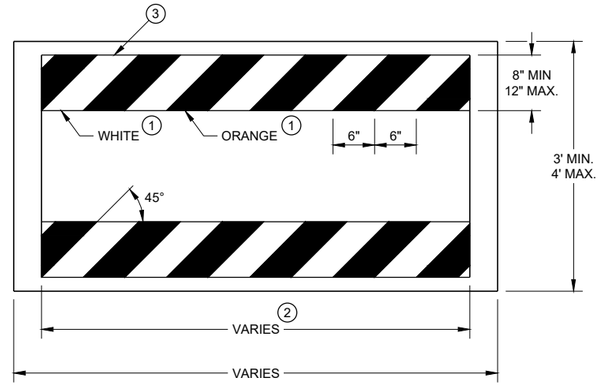
(2) SHEETING REQUIRED ON MORE THAN 50% OF BARRICADE WIDTH.

(3) PLACE SHEETING ON BOTH SIDES OF THE BARRICADE.

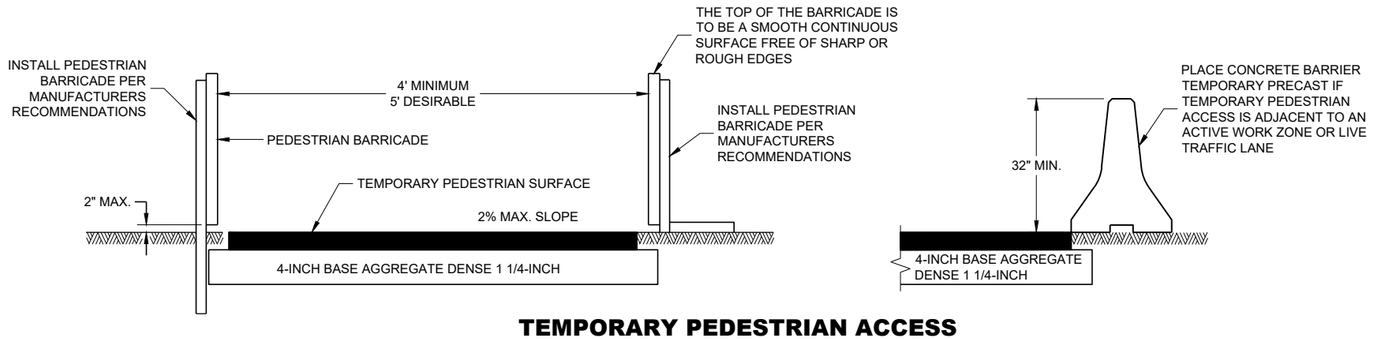
* USE THIS DETAIL FOR SHEETING PLACEMENT REFERENCE.



NARROW SIDEWALK PASSING DETAIL



TEMPORARY PEDESTRIAN BARRICADE*

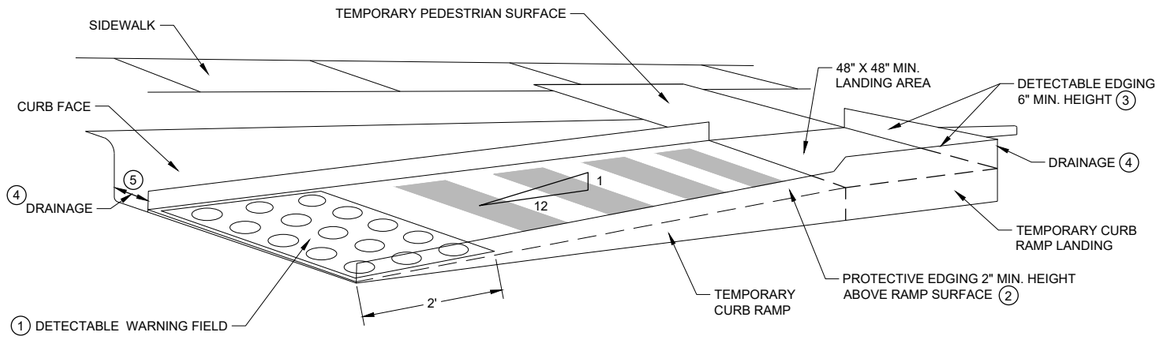


TEMPORARY PEDESTRIAN ACCESS

6

SDD 15D30 - 09a

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION



PERSPECTIVE VIEW

GENERAL NOTES

CURB RAMPS SHALL BE 48" MIN. WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP. LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS.

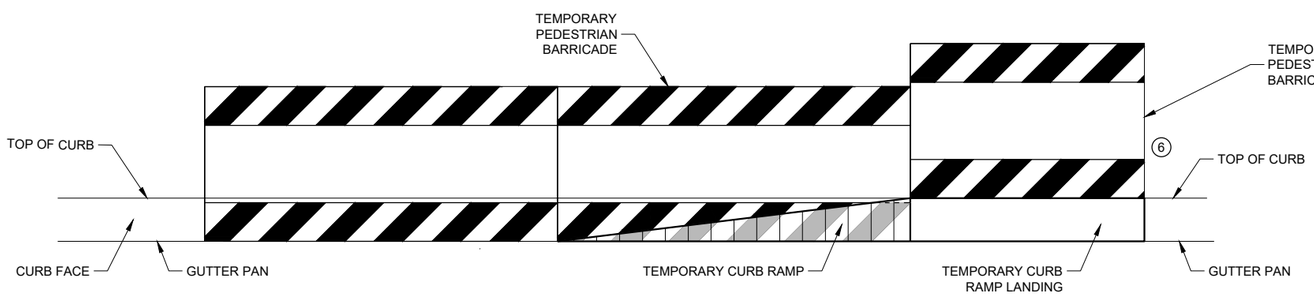
(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

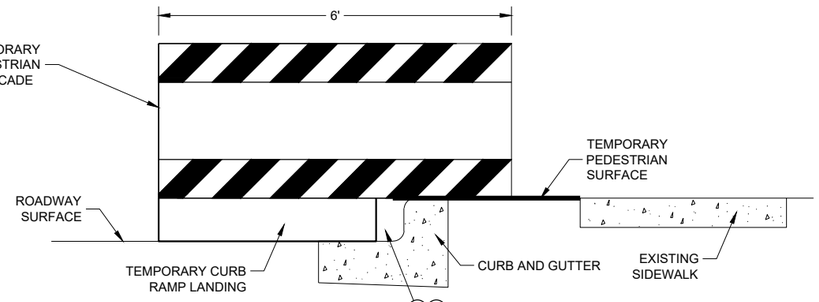
(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) ENSURE CURB RAMP IS OUT OF THE GUTTER PAN.

(6) IF ONLY PART OF THE END PANEL OF TEMPORARY PEDESTRIAN BARRICADE PANEL IS NEEDED, EXTEND EXCESS PORTION OF TEMPORARY PEDESTRIAN BARRICADE PANEL HERE.



FRONT VIEW



SIDE VIEW

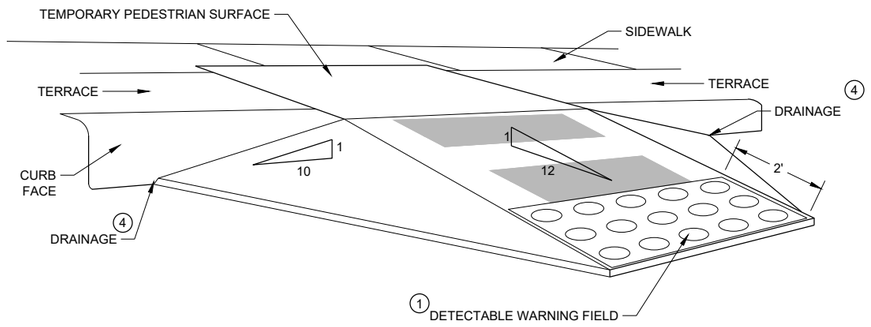
TEMPORARY CURB RAMP PARALLEL TO CURB

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

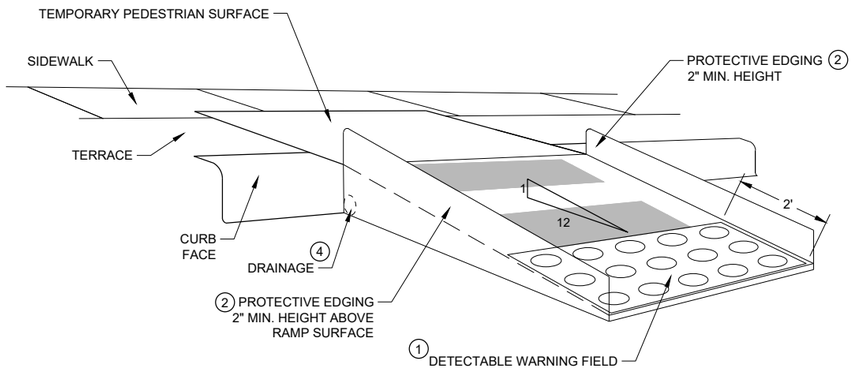
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

6

SDD 15D30 - 09b



WITH SIDE APRON (5)



WITH PROTECTIVE EDGE

TEMPORARY CURB RAMP PERPENDICULAR TO CURB

GENERAL NOTES

CURB RAMPS SHALL BE 48" MINIMUM WIDTH WITH A FIRM, STABLE AND SLIP RESISTANT SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

CURB RAMPS AND LANDINGS SHALL HAVE A 1:50 (2%) MAX. CROSS-SLOPE.

CLEAR SPACE OF 48" X 48" SHALL BE PROVIDED ABOVE AND BELOW THE CURB RAMP.

LATERAL JOINTS OR GAPS BETWEEN SURFACES SHALL BE LESS THAN ½" WIDTH.

CHANGES BETWEEN SURFACE HEIGHTS SHALL NOT EXCEED ½". LATERAL EDGES MAY BE VERTICAL UP TO ¼" HIGH AND SHALL BE BEVELED AT 1:2 BETWEEN ¼" AND ½".

(1) INSTALL CONTRASTING TEMPORARY DETECTABLE WARNING FIELD AT PEDESTRIAN STREET CROSSINGS, AS SHOWN IN THE PLANS

(2) PROTECTIVE EDGING WITH A 2" MIN. HEIGHT SHALL BE INSTALLED WHEN A CURB RAMP OR LANDING PLATFORM HAS A VERTICAL DROP OF 6" OR GREATER OR HAS A SIDE APRON SLOPE STEEPER THAN 1:3 (33%). PROTECTIVE EDGING SHOULD BE CONSIDERED WHEN CURB RAMPS OR LANDING PLATFORMS HAVE A VERTICAL DROP OF 3" OR MORE.

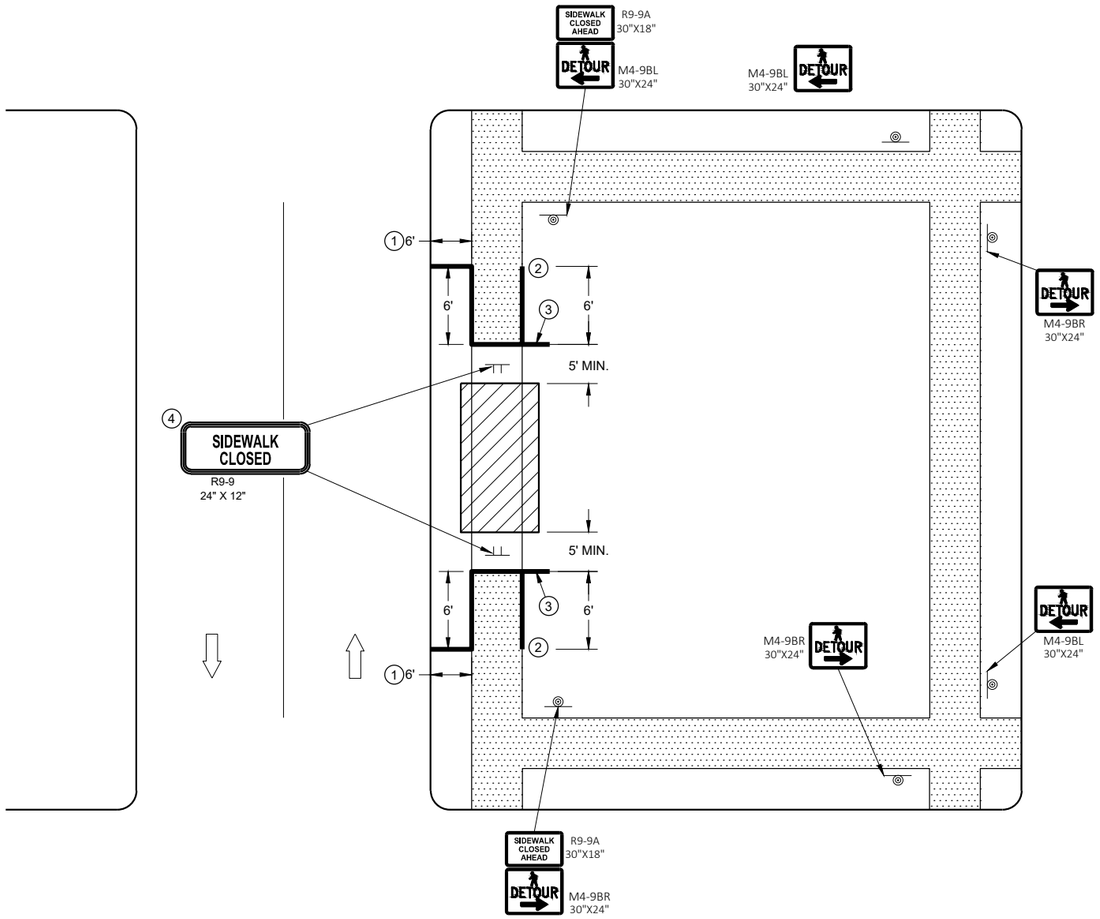
(3) DETECTABLE EDGING WITH 6" MIN. HEIGHT AND CONTRASTING COLOR SHALL BE INSTALLED ON ALL CURB RAMP LANDINGS WHERE THE WALKWAY CHANGES DIRECTION (TURNS).

(4) DO NOT RESTRICT WATER FLOW IN THE GUTTER SYSTEM.

(5) CAN ONLY BE USED FOR RAMPS WITH 6" OR LESS OF VERTICAL CHANGE.

LEGEND

- SIGN ON PERMANENT SUPPORT
- SIGN ON TEMPORARY SUPPORT
- UNDER PEDESTRIAN TRAFFIC
- WORK AREA
- TEMPORARY PEDESTRIAN BARRICADE
- DIRECTION OF TRAFFIC



GENERAL NOTES

SIGN LAYOUTS SHALL BE IN ACCORDANCE WITH THE WISCONSIN STANDARD SIGN PLATES.

WHERE TEMPORARY BARRICADE RUNS PARALLEL ALONG SIDEWALK, PLACE THE FACE OF THE BARRICADE AT THE EDGE OF THE SIDEWALK.

SIGNS THAT REMAIN IN PLACE LESS THAN SEVEN CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

PLACE TEMPORARY PEDESTRIAN BARRICADE TO FIT FIELD CONDITIONS, AVOIDING CONFLICTS WITH DRIVEWAYS AND OTHER EXISTING FEATURES.

1. IF TERRACE IS LESS THAN 6 FEET WIDE, OMIT TEMPORARY PEDESTRIAN BARRICADE FROM THE SIDEWALK TO THE CURB.
2. PLACE BARRICADE CLOSURE SO THAT THE TEMPORARY PEDESTRIAN BARRICADE END IS AT THE LAST OPEN SIDEWALK ACCESS TO RESIDENCES OR BUSINESSES BEFORE THE SIDEWALK CLOSURE.
3. IF TEMPORARY PEDESTRIAN BARRICADE PANEL IS WIDER THAN THE SIDEWALK WIDTH, THE PORTION OF EXCESS PANEL SHOULD EXTEND INTO THE TERRACE.
4. MOUNTING HEIGHT OF 5 FEET FROM THE SURFACE TO THE BOTTOM OF SIGN.

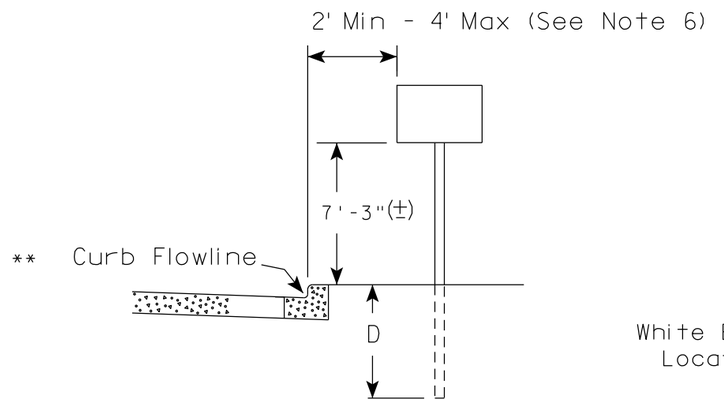
SIDEWALK DETOUR, SIDEWALK ONLY ON ONE SIDE

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

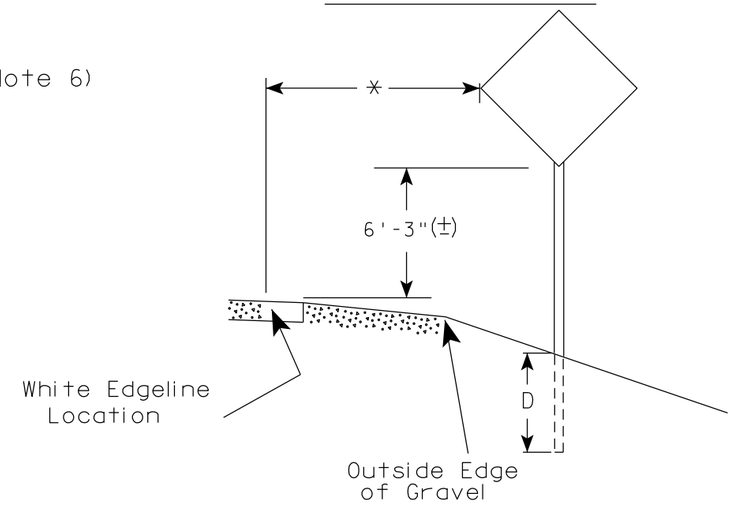
6

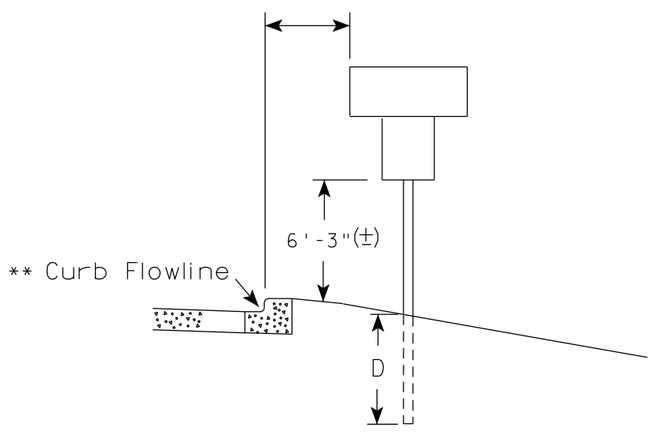
SDD 15D30 - 09f

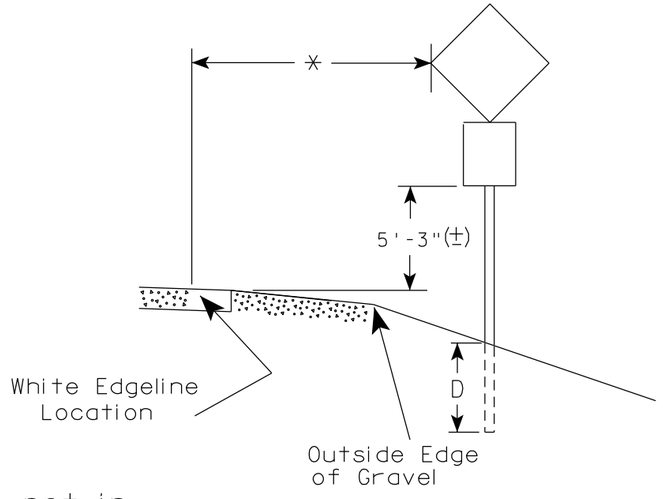
URBAN AREA



RURAL AREA (See Note 2)







** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq.Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

GENERAL NOTES

1. Signs wider than 4 feet or 20 sq.ft or larger, shall be mounted on multiple posts. Refer to plate A4-4.
2. If signs are mounted on or behind barrier wall, see A4-10 sign plate.
   The Double Arrow sign (W12-1D) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Enhanced Reference Markers, Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4'-3" (±).
3. For expressways and freeways, mounting height is 7'- 3" (±) or 6'-3" (±) depending upon existence of a sub-sign.
4. Minimum mounting height for signs mounted on traffic signal poles is 5'- 3" (±).
5. Offset distance shall be consistent with existing signs or consistent throughout length of project.
6. The (±) tolerance for mounting height is 3 inches.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directd by the Engineer.

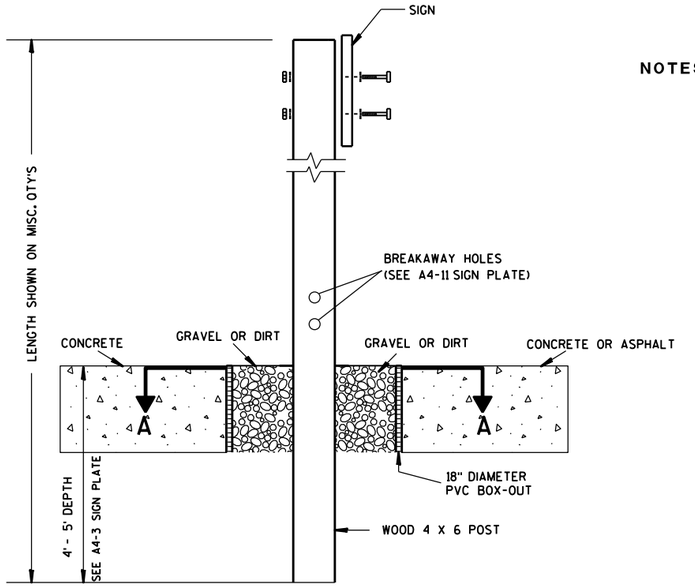
TYPICAL INSTALLATION OF PERMANENT TYPE II SIGNS ON SINGLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/13/2020 PLATE NO. A4-3.22

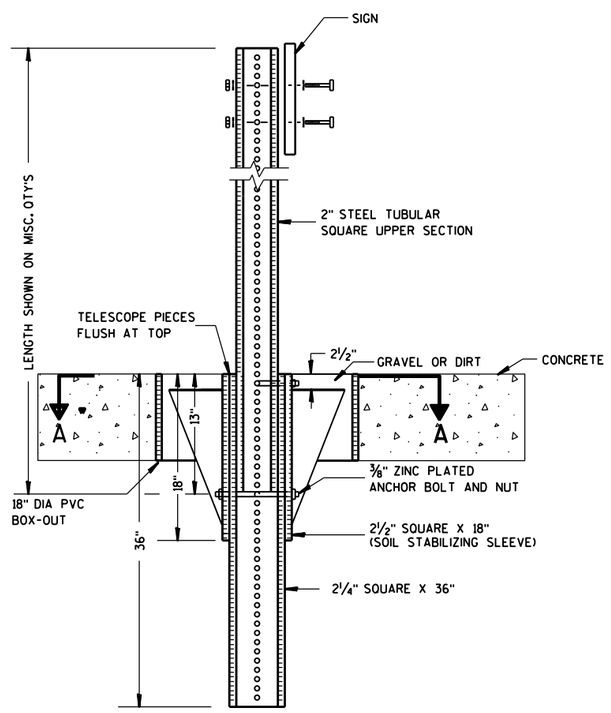
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 90	E



ELEVATION VIEW

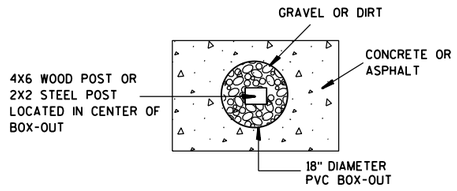
DETAIL OF WOOD 4 X 6 SIGN POST IN BOX-OUT

NOTES:
1. ALL MATERIAL TO BE APPROVED BY ENGINEER PRIOR TO INSTALLATION
2. SEE SIGN PLATE A4-8 FOR SIGN HARDWARE REQUIREMENTS
3. 18 INCH X 18 INCH SQUARE BOX-OUTS MAY BE USED FOR INSTALLATIONS IN EXISTING CONCRETE OR ASPHALT LOCATIONS.



ELEVATION VIEW

DETAIL OF STEEL 2 X 2 SIGN POST IN BOX-OUT



PLAN VIEW

FOR NEW CONCRETE/ASPHALT INSTALLATIONS

SIGN POST BOX-OUTS A4-3B

WISCONSIN DEPT OF TRANSPORTATION

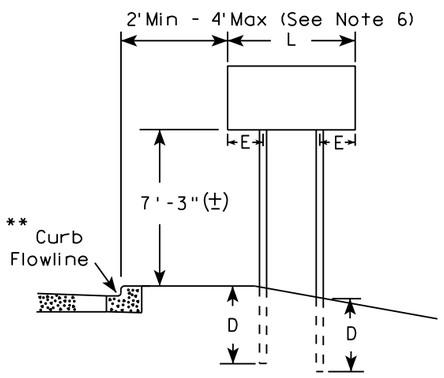
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 1/27/14 PLATE NO. A4-3B.1

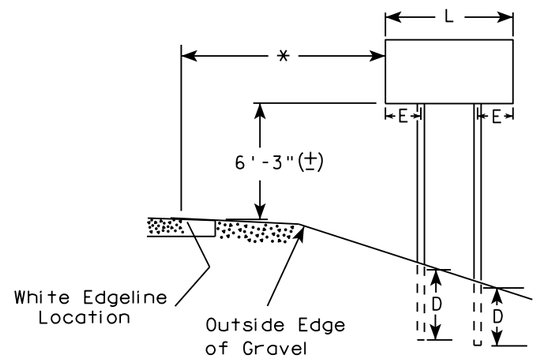
PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

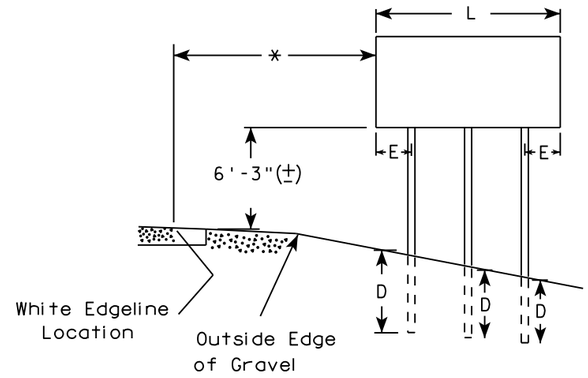
FILE NAME : C:\CAEFiles\Projects\tr_stdplate\A43B.DGN PLOT DATE : 27-JAN-2014 09:48 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 13.659812:1.000000 WISDOT/CADDS SHEET 42

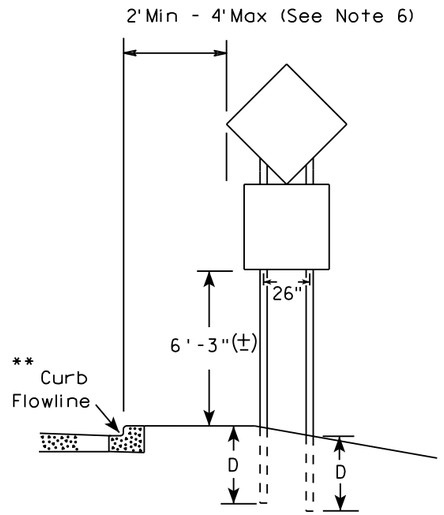
URBAN AREA



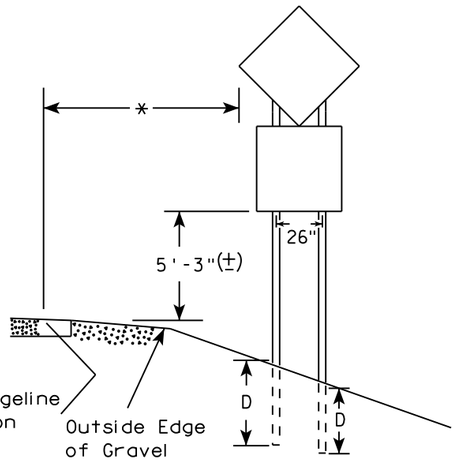
RURAL AREA (See Note 3)







48" DIAMOND WARNING SIGN



48" DIAMOND WARNING SIGN

***	SIGN SHAPE OTHER THAN DIAMOND (TWO POSTS REQUIRED)	
	L	E
	Greater than 48" Less than 60"	12"
	60" to 108"	L/5

SIGN SHAPE OTHER THAN DIAMOND (THREE POSTS REQUIRED)	
L	E
Greater than 108" to 144"	12"

GENERAL NOTES

1. For 3 or 4 post installations, individual post spacing shall be greater than 3'-6".
2. See tables below for required number of posts.
3. For expressways and freeways, mounting height is 7'-3" (±) or 6'-3" (±) depending upon existence of sub-sign.
4. The (±) tolerance for mounting height is 3 inches.
5. J-Assemblies are considered to be one sign for mounting height.
6. Offset distance shall be consistent with existing signs or consistent throughout length of project.
7. Folding signs shall be mounted at a height of 5'-3" (±) or as directed by the engineer.
8. The Double Arrow sign (W12-1) shall be mounted at a height of 2'-3" (±). The Chevron sign (W1-8), Roundabout Chevron panel (R6-4B), Clearance Markers (W5-52), Mile Markers (D10 series), In Road Object Markers (W5-54) & End of Road Markers (W5-56) shall be mounted at a height of 4"-3" (±).

* 6 feet from edge of a paved shoulder or 12 feet from the edge of pavement (edge line location) or 2 feet from outside edge of gravel, whichever is greater unless directed by project engineer.

** The existence of curb and gutter does not in itself mandate the vertical clearance illustrated. That height is typically measured where there is sidewalk adjacent to the roadway or parking is permitted. In the absence of sidewalk vertical clearance is measured from the top of the curb. Offset of signs is measured from the flow line.

*** See A4-3 sign plate for signs 4' or less in width and less than 20 S.F. in area.

POST EMBEDMENT DEPTH

Area of Sign Installation (Sq. Ft.)	D (Min)
20 or Less	4'
Greater than 20	5'

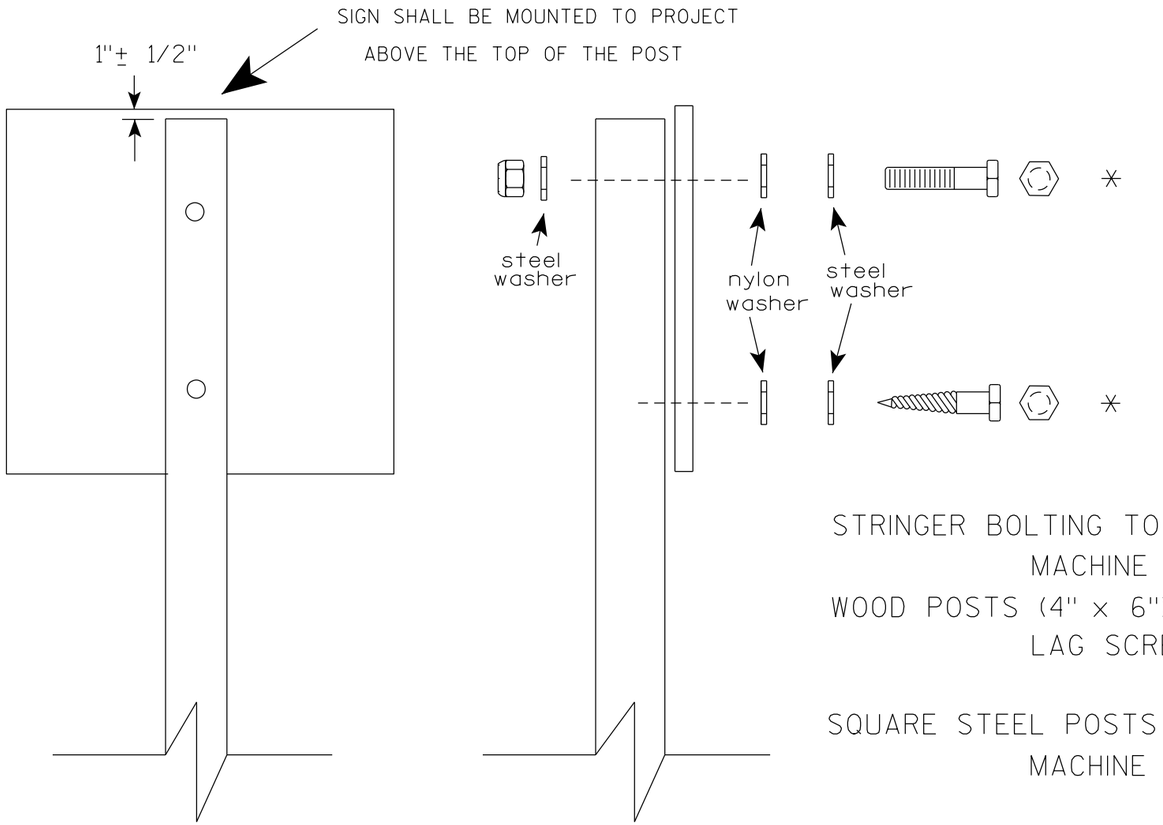
TYPICAL INSTALLATION OF TYPE II SIGNS ON MULTIPLE POSTS

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/21/17 PLATE NO. A4-4.15

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 92	E



Nuts, bolts and lags used for mounting signs shall have hexagonal heads and shall be either :

a. Hot dip galvanized in accordance with ASTM Designation: A 153, Class D, or SC 3

b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3.

Threads on bolts and nuts shall be manufactured with sufficient allowance for the cadmium plate or galvanized coating to permit the nuts to run freely on the bolts.

STRINGER BOLTING TO ALUMINUM SIGNS (SEE SIGN PLATE A4-18)

MACHINE BOLTS - 5/16" X 1-3/4" Length w/ lock nuts

WOOD POSTS (4" x 6")

LAG SCREWS - 3/8" X 3" (NO STRINGERS ON BACK OF SIGN)
3/8" X 4" (STRINGERS ON BACK OF SIGN)

SQUARE STEEL POSTS (2" x 2")

MACHINE BOLTS - 3/8" X 3-1/4" Length w/ nuts (NO STRINGER ON BACK OF SIGN)
3/8" X 5" Length w/ nuts (STRINGERS ON BACK OF SIGN)

RIVETS - 9/32" (6605-9-6) BULB-TITE, TRI-FOLD, ALUMINUM BODY/MANDREL
O.D. FLANGE .720-.765 INCH, GRIP RANGE .042-.375 INCH

WASHERS (ALL POSTS) -

1-1/4" O.D. X 3/8" I.D. X 1/16" STEEL
1-1/4" O.D. X 3/8" I.D. X .080 NYLON

* Two different fastening systems are shown for illustration purposes. On any individual sign, either one or the other system shall be used. Actual number of fasteners per sign varies with the sign area, but normally there are two. For a single post installation, all signs greater than 9 sq. ft. require the use of 3 fasteners.

ATTACHMENT OF SIGNS TO POSTS

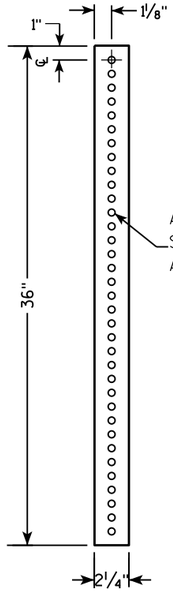
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

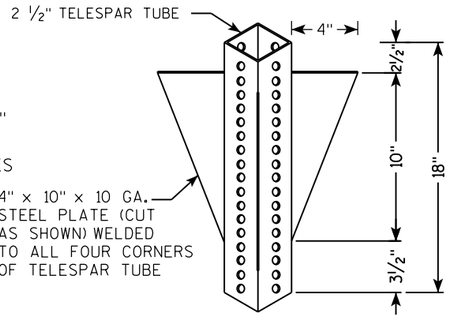
DATE 4/1/2020 PLATE NO. A4-8.9

TELESCOPIC TUBING ANCHORS
TWO PIECE SYSTEM

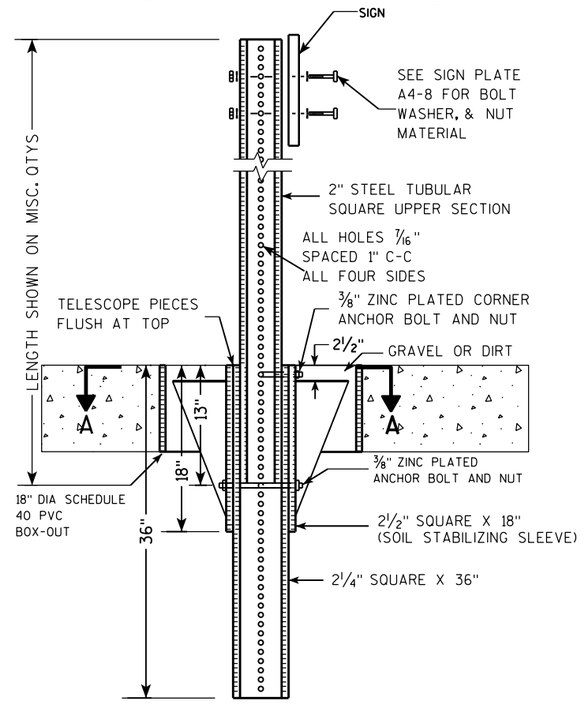
2 1/4 " SQUARE
12 GAUGE
PERFORATED
GALVANIZED FINISH



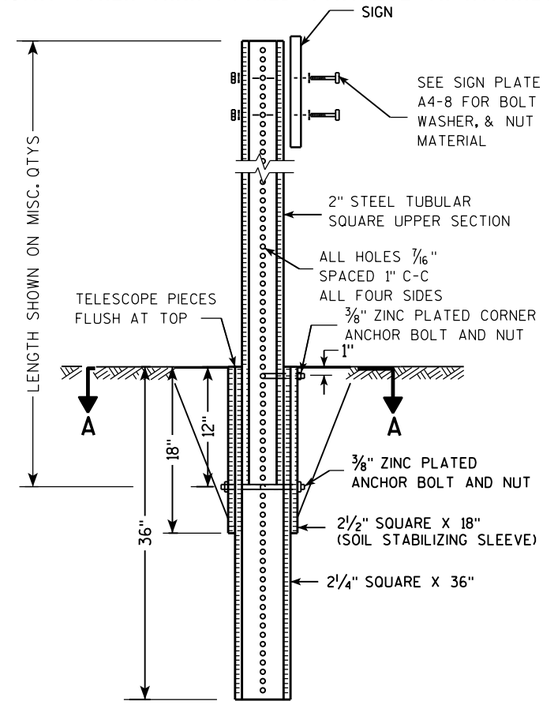
2 1/2 " SQUARE
12 GAUGE
OMNI-DIRECTIONAL
PERFORATED
SOIL STABILIZING SLEEVE
GALVANIZED FINISH

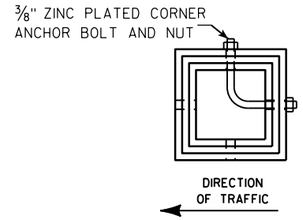


DETAIL OF TUBULAR STEEL SIGN POST
(IN POURED CONCRETE OR ASPHALT)



DETAIL OF TUBULAR STEEL SIGN POST
(IN LOCATIONS OTHER THAN POURED CONCRETE OR ASPHALT)





SECTION A-A

Area of Sign Installation (Sq. Ft.)	Number of Required Posts
9 or less	1
Greater than 9 less than or equal to 18	2
Greater than 18 less than or equal to 27	3

Signs wider than 3 feet or larger than 9 sq. ft shall be mounted on multiple posts (see above table).

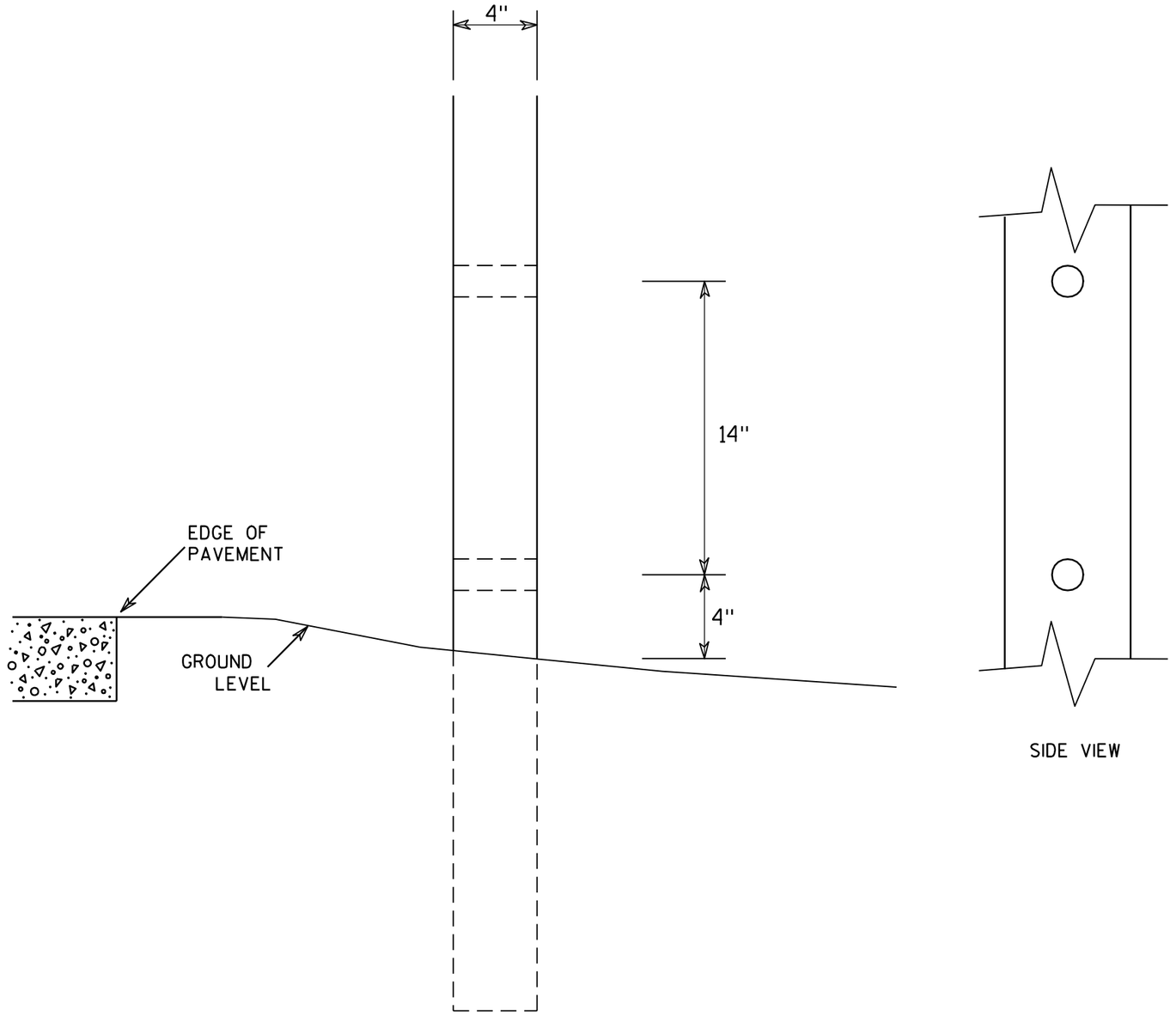
TUBULAR STEEL
SIGN POST
A4-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 2/05/15 PLATE 94 A4-9.9

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E



SIDE VIEW

GENERAL NOTES

1. All 4 x 6 Wood Posts shall be modified by having two 1½" diameter holes drilled perpendicular to the roadway centerline.

4 X 6 WOOD POST MODIFICATIONS

WISCONSIN DEPT OF TRANSPORTATION

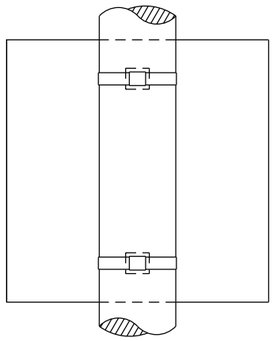
APPROVED Chester J Spang for State Traffic Engineer

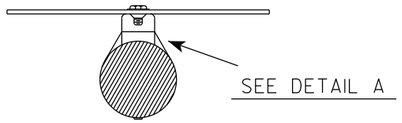
DATE 3/27/97 PLATE NO. A4-11.2

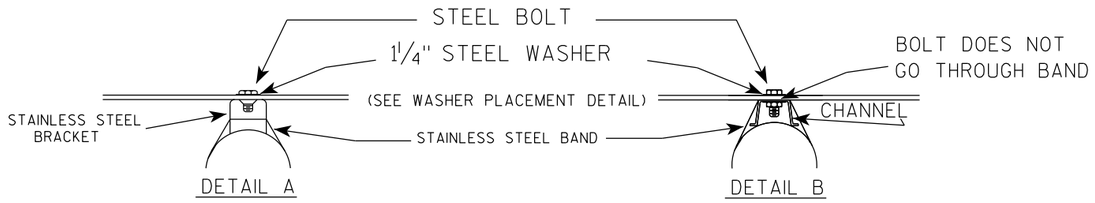
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 95	E

BANDING

SINGLE SIGN



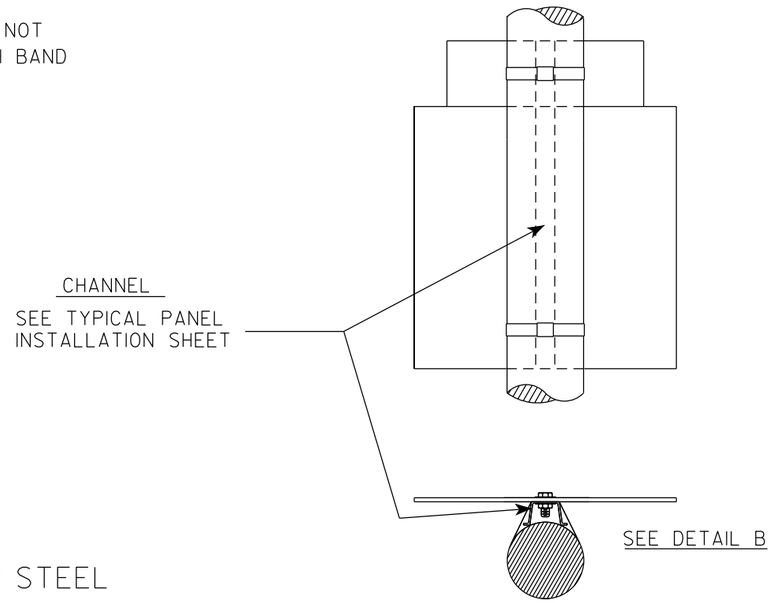




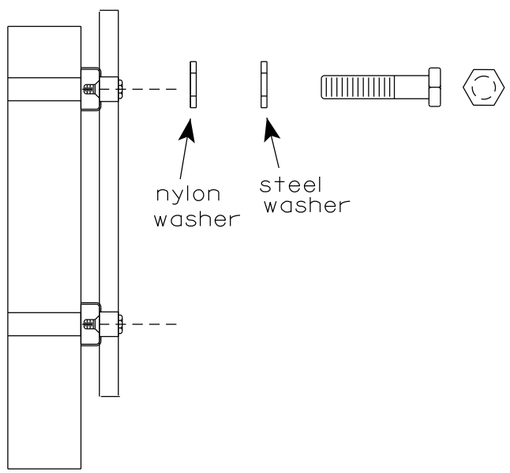
GENERAL NOTES

1. Any sign over 3 feet in width shall use the V-Block banding method. See A5-10 standard plate.
2. Signs 3 feet or greater in height shall have three bracket bands installed. Signs less than 3 feet in height shall have two bracket bands installed.
3. Banding and assembly bracket shall be stainless steel. All bands shall be ¾" in width and 0.025" thickness.
4. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM designation: B 633, Type III, SC 3

"J" ASSEMBLY



WASHER PLACEMENT



WASHERS (ALL POSTS) -
1-1/4" O.D. X ⅜" I.D. X 1/16" STEEL
1-1/4" O.D. X ⅜" I.D. X .080 NYLON
FOR ALL TYPE H SIGNS

STANDARD SIGN
SIGN BANDING DETAILS

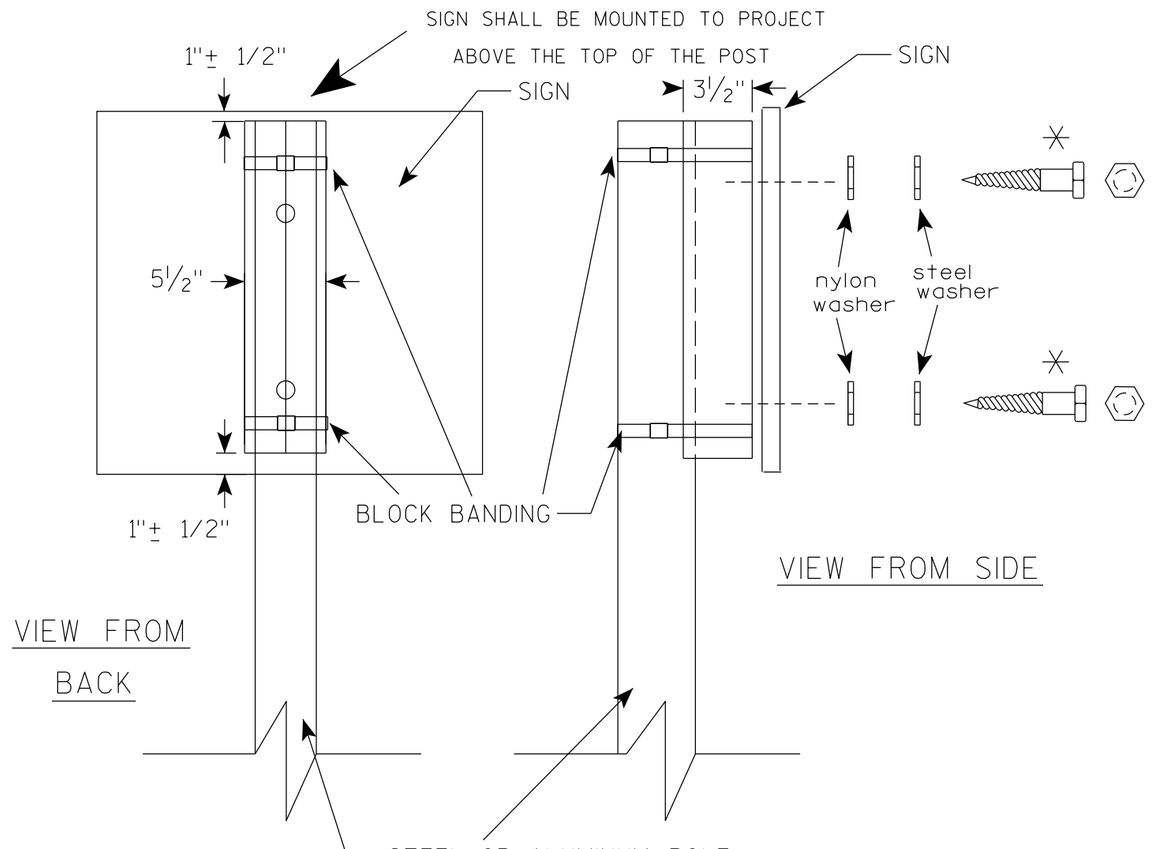
WISCONSIN DEPT OF TRANSPORTATION

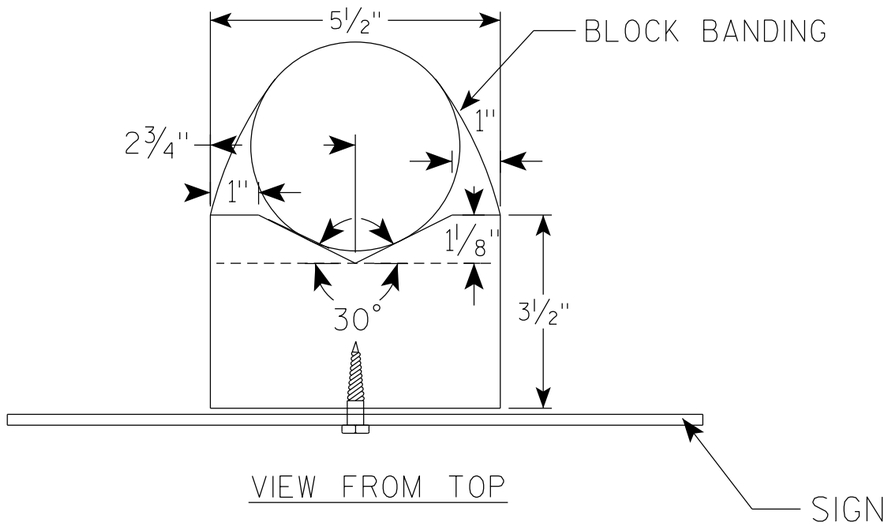
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 6/10/19 PLATE NO. A5-9.4

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 96	E

FILE NAME : C:\CAEfiles\Projects\tr_stdplate\A59.dgn PLOT DATE : 10-JUN 2019 4:10 PLOT BY : mscj9h PLOT NAME : PLOT SCALE : $$.....plotscale.....$$





GENERAL NOTES

1. WOOD 4"X6" POST MATERIAL SHALL CONFORM TO 507.2.2 OF THE WisDOT STANDARD SPECIFICATIONS
2. BLOCK BANDING AND CLIPS SHALL BE STAINLESS STEEL, ¾" WIDTH AND 0.025" THICKNESS
3. SIGNS 3' OR GREATER IN HEIGHT SHALL UTILIZE 3 BLOCK BANDS. SIGNS UNDER 3' IN HEIGHT SHALL UTILIZE 2 BLOCK BANDS
4. ACTUAL NUMBER OF FASTENERS PER SIGN VARIES WITH THE SIGN AREA, BUT NORNALLY THERE ARE TWO. FOR SIGNS GREATER THAN 9 S.F. 3 FASTENERS SHALL BE USED.
5. ALL SIGN MOUNTING BOLTS AND WASHERS SHALL BE EITHER:
   a. Hot dip or mechanically galvanized in accordance with ASTM Designation: A 153, Class D
   b. Electro-galvanized in accordance with ASTM Designation : B 633, TYPE III, SC 3
6. ALL BOLTS SHALL HAVE HEXAGONAL HEADS.
7. STEEL WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X 1/16"
8. NYLON WASHERS SHALL BE 1¼" O.D. X ⅜" I.D. X .080 FOR TYPE H OR TYPE F FACE SIGN

✳ LAG BOLTS SHALL BE ⅜" X 2½"

BLOCK BANDING DETAIL (V-BLOCK OPTION)

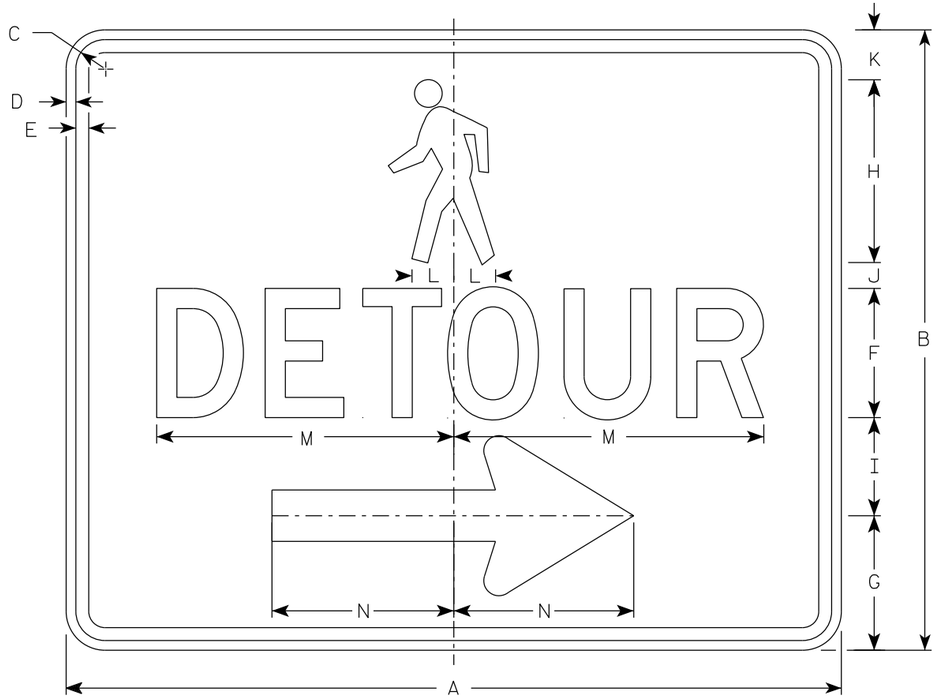
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/19/2022 PLATE NO. A5-10.3

PROJECT NO:

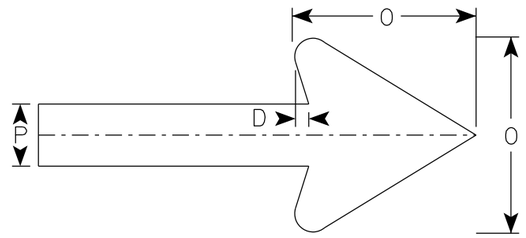
SHEET NO: 97 E



M4-9BR

NOTES

1. Sign is Type II-Type F Reflective
2. Color:
   Background - Orange
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. M4-9BL is the same as M4-9BR except the arrow is reversed.



Arrow Detail

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2	30	24	1 1/8	3/8	1/2	5	5 1/4	7 1/8	3 3/4	1	1 1/8	1 5/8	11 3/4	7	6	2											5.00
3																											
4																											
5																											

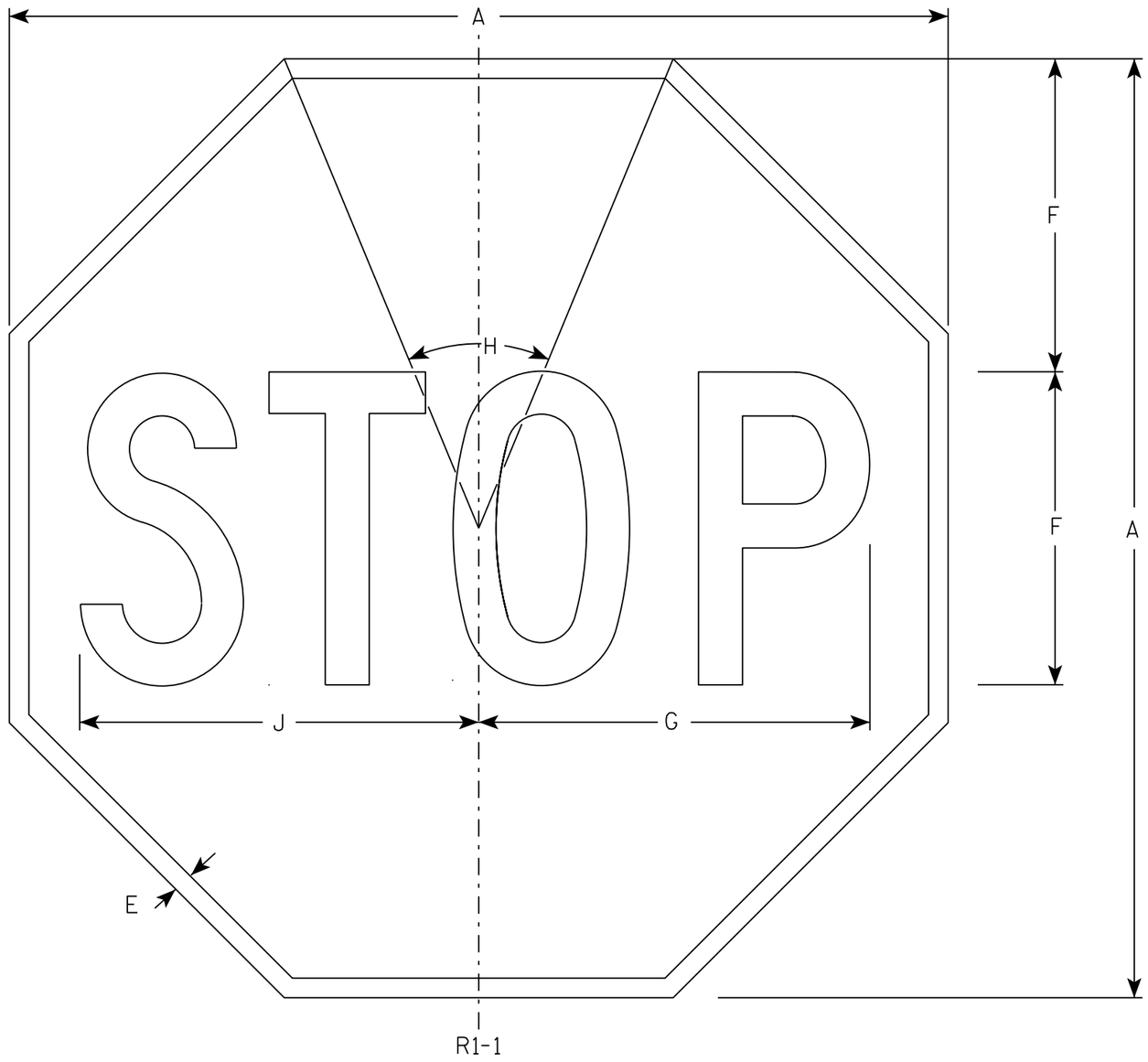
STANDARD SIGN
M4-9B L&R

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 7/1/19 PLATE NO. M4-9B.2

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 98 | E



NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Red
   Message - White
3. Message Series - C

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2S	30				5/8	10	12 1/2	45°		12 3/4																	5.18
2M	36				3/4	12	15	45°		15 3/8																	7.46
3	36				3/4	12	15	45°		15 3/8																	7.46
4	48				1	16	20	45°		20 1/2																	13.25
5	48				1	16	20	45°		20 1/2																	13.25
6	18				3/8	6	7 3/4	45°		7 3/4																	1.86
7	12				1/4	4	5	45°		5 1/8																	0.78

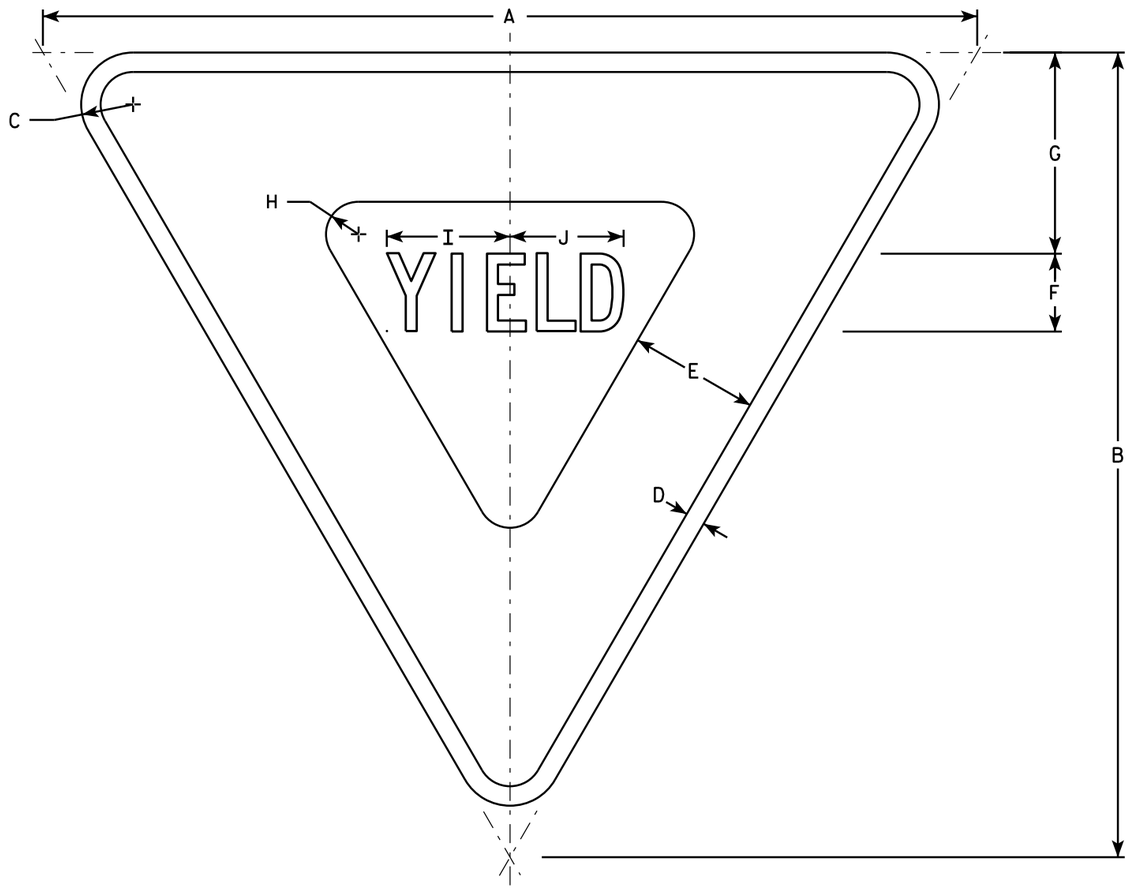
STANDARD SIGN
R1-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 11/12/15 PLATE NO. R1-1.13

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 99	E



R1-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 5
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. The border strip and word message are reflectorized red.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	30	26	1 1/2	5/8	4	2 1/2	6 3/8	7/8	4	3 5/8																	2.71
2S	36	31	2	3/4	5	3	7 3/4	1 1/4	4 3/4	4 3/8																	3.88
2M	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
3	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
4	48	42	3	1	6	4	9 3/4	2	6 1/4	5 7/8																	7.00
5	60	52	3	1 1/2	8	5	13	2 1/2	7 7/8	7 1/4																	10.83
6																											
7	18	15 1/2	1	3/8	2 1/2	1 1/2	3 7/8	5/8	2 3/8	2 1/4																	0.97

STANDARD SIGN
R1-2

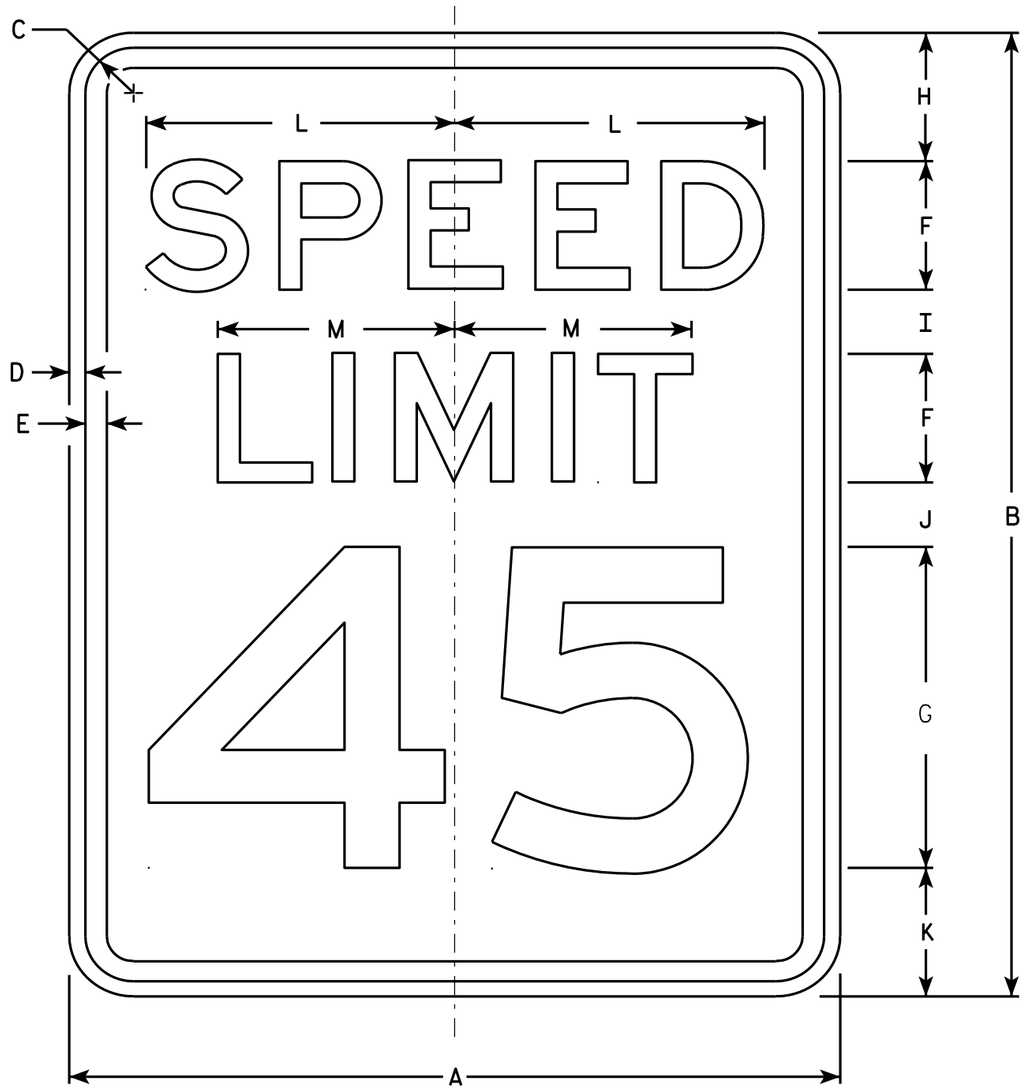
WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 10/13/14 PLATE R1-2.12

PROJECT NO:	HWY:	COUNTY:		SHEET NO:	E

FILE NAME : C:\CAEFiles\Projects\tr_stdplate\R12.DGN PLOT DATE : 13-OCT-2014 15:12 PLOT BY : mscsja PLOT NAME : PLOT SCALE : 5.837526:1.000000
WISDOT/CADDS SHEET 42



R2-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - E
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals and optically adjust spacing to achieve proper balance.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	18	24	1 1/8	3/8	1/2	3	8	3	2	2	3	7 1/4	5 1/2														3.0
2S	24	30	1 1/8	3/8	1/2	4	10	3	2 1/4	3 3/8	3 3/8	9 5/8	7 3/8														5.0
2M	30	36	1 3/8	1/2	5/8	5	12	5	2 1/2	2 1/2	4	12	9 1/4														7.5
3	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
4	36	48	1 3/8	1/2	5/8	6	14	6	5	5	6	14 3/8	11														12.0
5	48	60	2 1/4	3/4	1	8	20	6	4 1/2	6 3/4	6 3/4	19 1/4	14 5/8														20.0

STANDARD SIGN
R2-1

WISCONSIN DEPT OF TRANSPORTATION

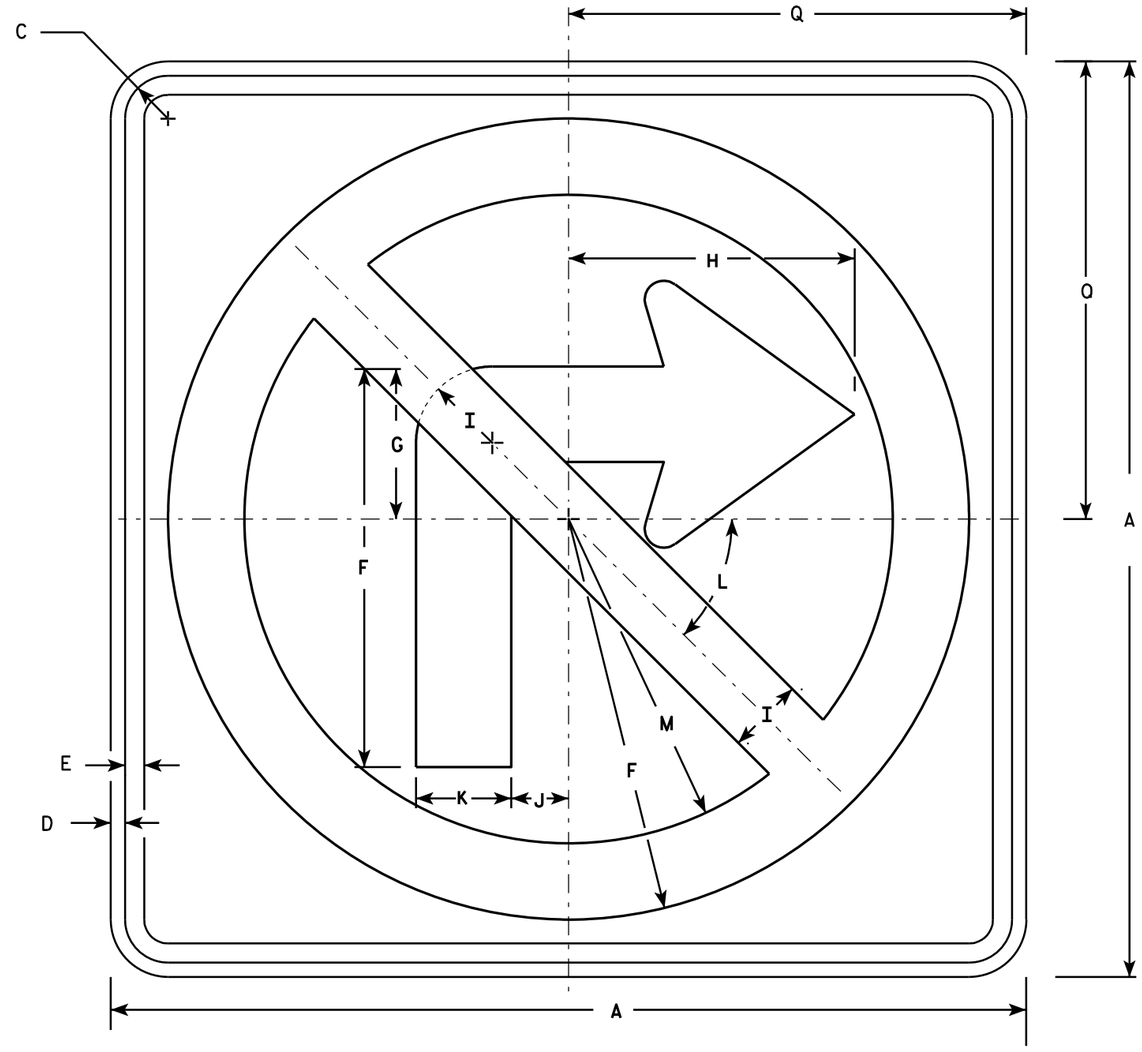
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 5/26/10 PLATE NO. R2-1.13

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 101 | E

FILE NAME : C:\Users\PROJECTS\tr_stdplate\R21.DGN PLOT DATE : 28-MAY-2010 08:32 PLOT BY : ditjph PLOT NAME : PLOT SCALE : 4.717577:1.000000

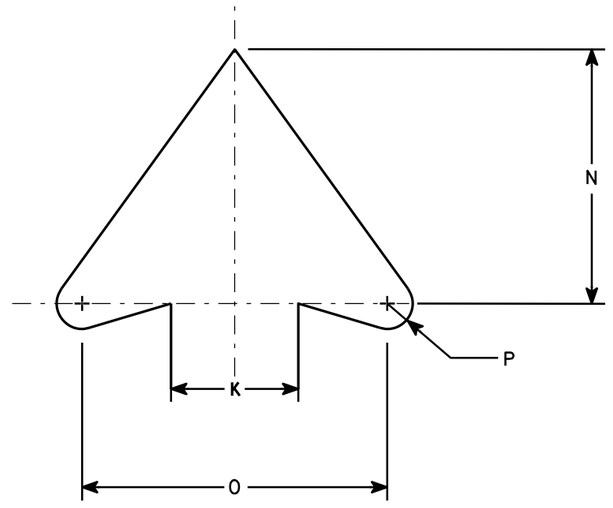
WISDOT/CADDS SHEET 42



R3-1

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45	8 1/2	5	6	1/2	12										4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2	12										4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45	12 3/4	7 1/2	9	3/4	18										9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4	18										9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1	24										16.0

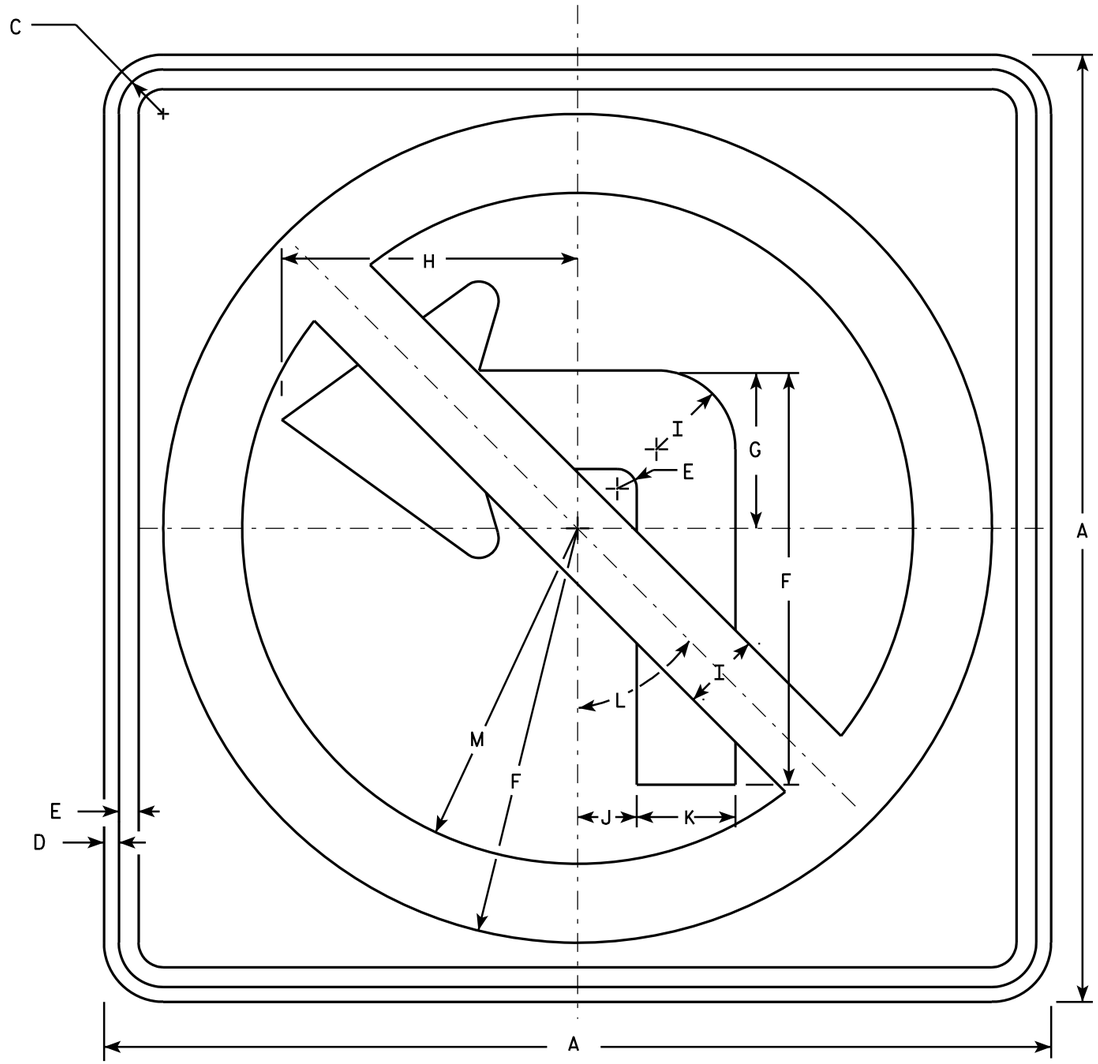
STANDARD SIGN
R3-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-1.5

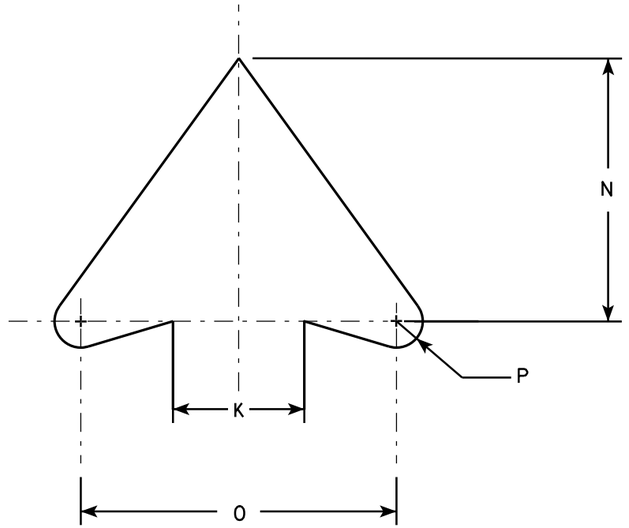
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 102	E



R3-2

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - See note 4
3. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
4. Border & Arrow are non reflective black, the circle with diagonal bar is reflective red.



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2S	24		1 1/8	3/8	1/2	10 1/2	4	7 1/2	2	1 1/2	2 1/2	45°	8 1/2	5	6	1/2											4.0
2M	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
3	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
4	36		1 5/8	5/8	3/4	15 3/4	6	11 1/4	3	2 1/4	3 3/4	45°	12 3/4	7 1/2	9	3/4											9.0
5	48		2 1/4	3/4	1	21	8	15	4	3	5	45°	17	10	12	1											16.0

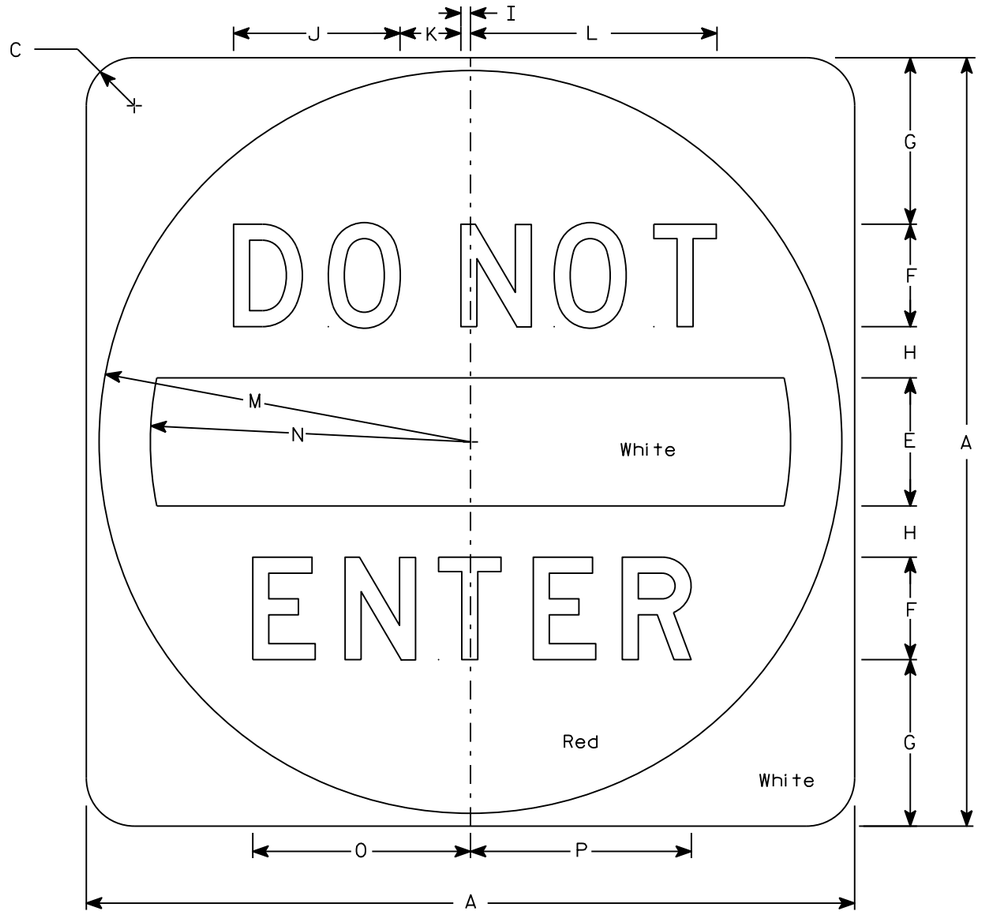
STANDARD SIGN
R3-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 12/08/10 PLATE NO. R3-2.10

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 103	E



R5-1

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - See detail
   Message - White
3. Message Series - D

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30		1 7/8		5	4	6 1/2	2	3/8	6 1/2	2 3/8	9 5/8	14 1/2	12 1/2	8 1/2	8 5/8											6.25
2M	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
3	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
4	36		2 1/4		6	5	7 1/2	2 1/2	1/2	8 1/8	3	12 1/8	17 1/2	15	10 5/8	10 3/4											9.0
5	48		3		8	6	11	3	5/8	9 3/4	3 5/8	14 1/2	23 1/2	20	12 3/4	12 7/8											16.0

STANDARD SIGN
R5-1

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/15/18 PLATE NO. R5-1.16

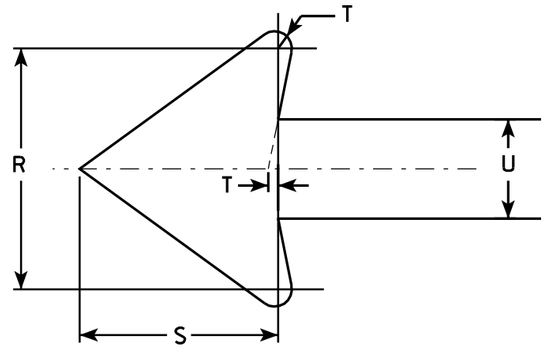
PROJECT NO: | HWY: | COUNTY: | SHEET NO: 104 | E

R7-5

* - See Note 5

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Green
3. Message Series - See Note 7
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Substitute appropriate numerals as required & adjust spacing to achieve proper balance.
6. R7-5D (double arrow)
   R7-5L (left arrow)
   R7-5R (right arrow)
7. Lines 1, 2 & 3 are series C Copy
   Line 4 Series B Copy.



SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	12	18	1 1/8	3/8	3/8	2	2	2 1/4	1 1/4	4	2 1/2	2 1/8	2	2 7/8	4 5/8	4 1/2	3 7/8	1 3/4	1 1/2	1/8	3/4						1.5
2S	18	24	1 1/8	3/8	1/2	3	3	2 5/8	1 1/4	5 5/8	3 1/4	3 1/8	3 1/8	4 1/4	6 7/8	6 3/4	5 7/8	2 5/8	2 1/4	1/4	1 1/8						3.0
2M	24	30	1 1/8	3/8	1/2	4	3	3	2	6	3 1/2	4 1/4	4 1/8	5 3/4	9 1/8	9 1/8	7 3/4	3 1/2	3	1/4	1 1/2						5.0
3	24	30	1 1/8	3/8	1/2	4	3	3	2	6	3 1/2	4 1/4	4 1/8	5 3/4	9 1/8	9 1/8	7 3/4	3 1/2	3	1/4	1 1/2						5.0
4																											
5																											

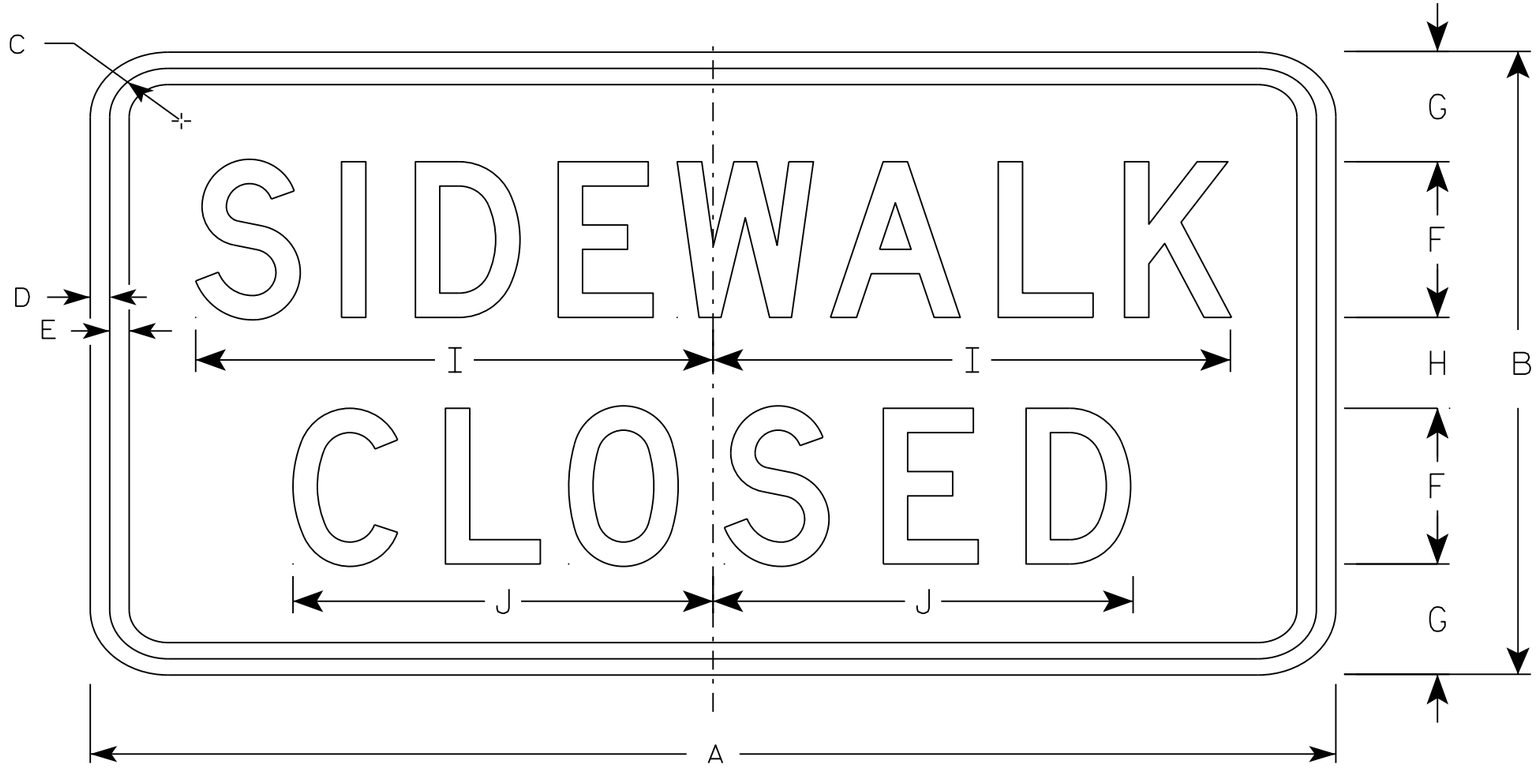
STANDARD SIGN
R7-5

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 03/31/2011 PLATE NO. R7-5.8

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 105	E



R9-9

NOTES

1. Sign is Type II - Type H Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
2M	24	12	1 3/4	1/2	1/2	3	2 1/8	1 3/4	10	8 1/8																	2.0
3	30	18	1 3/4	1/2	1/2	4	3 1/2	3	12 1/2	10 1/4																	3.75
4																											
5																											

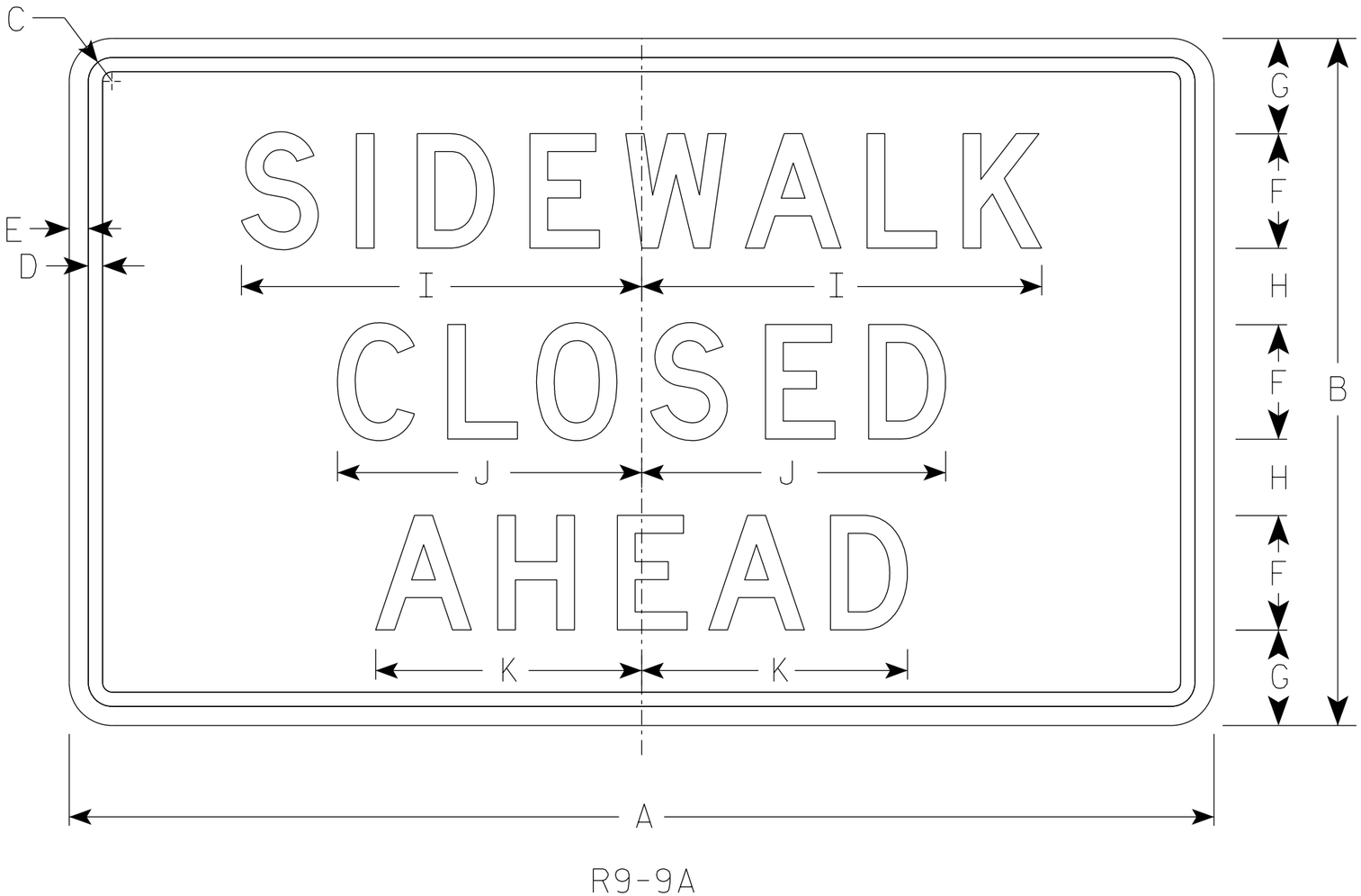
STANDARD SIGN
R9-9

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 8/11/16 PLATE 106 R9-9.6

PROJECT NO: | HWY: | COUNTY: | SHEET NO: E



R9-9A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	30	18	1 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
2M	30	18	1 1/8	3/8	1/2	3	2 1/2	2	10 1/2	8	7																3.75
3																											
4																											
5																											

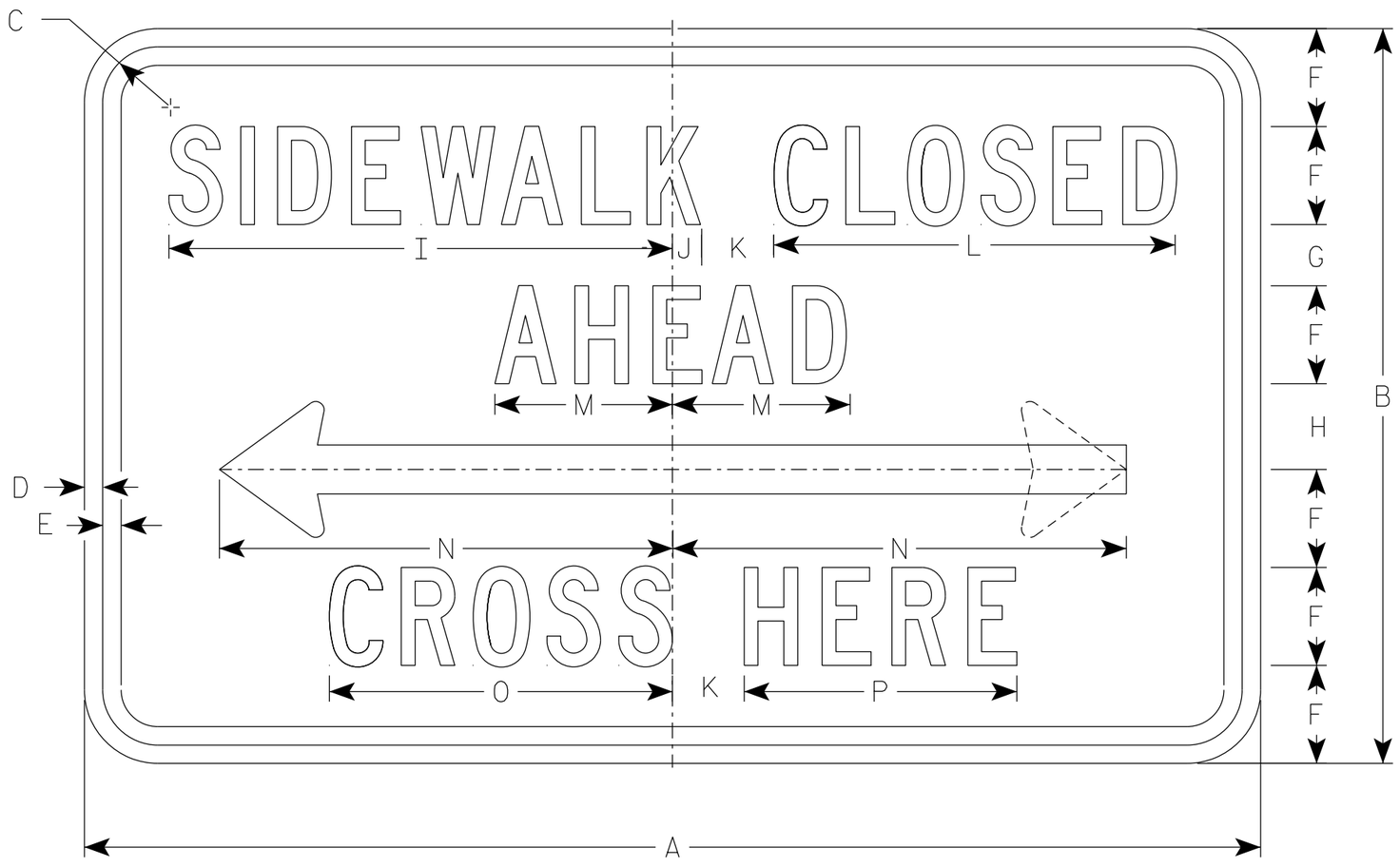
STANDARD SIGN
R9-9A

WISCONSIN DEPT OF TRANSPORTATION

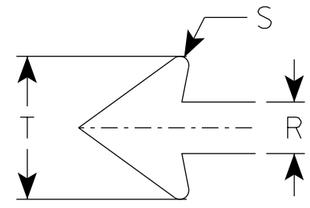
APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 8/31/2020 PLATE NO. R9-9A.1

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 107 | E



R9-11



NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C except Size 1 is Series D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for Paths and Trails.
6. R9-11 D (double arrow)
   R9-11 L (left arrow)
   R9-11 R (right arrow)

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
2M	24	12	1 1/8	3/8	3/8	1 1/2	1 1/2	1 1/2	9 3/4	5/8	1 1/2	7 5/8	3 1/2	9 1/4	6 5/8	5 1/8		1	1/8	2 3/4							2.0
3	30	15	1 1/8	3/8	1/2	2	1 1/2	1 1/2	13	3/4	2	10 1/4	4 5/8	12 3/8	8 7/8	6 7/8		1 1/4	1/4	3 5/8							3.125
4																											
5																											

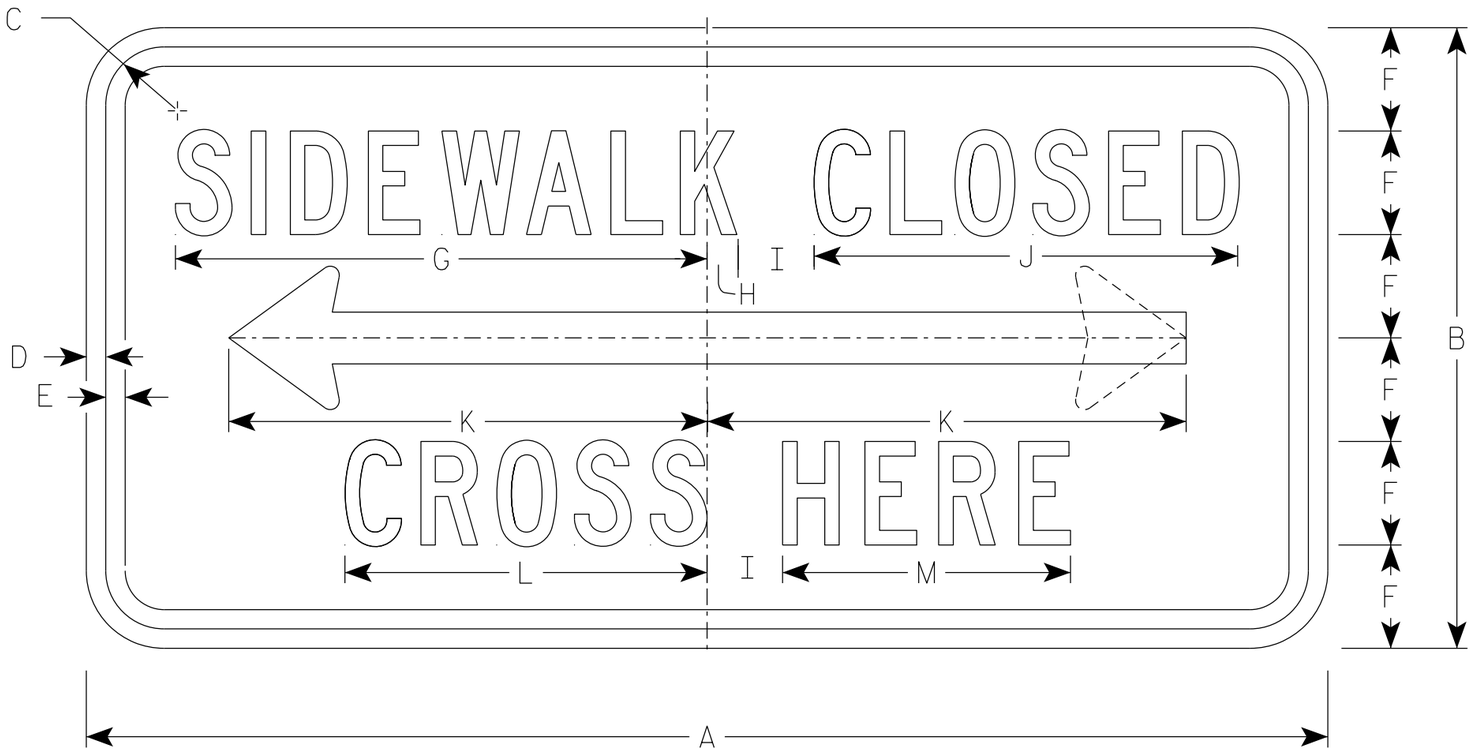
STANDARD SIGN
R9-11

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
For State Traffic Engineer

DATE 3/30/2021 PLATE NO. R9-11.4

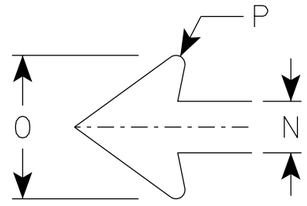
PROJECT NO:	HWY:	COUNTY:		SHEET NO: 108	E



R9-11A

NOTES

1. Sign is Type II - Type H Reflective
2. Color:
   Background - White
   Message - Black
3. Message Series - C
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.
5. Use Size 2 for Sidewalks. Use Size 3 for paths and Trails.
6. R9-11AD (double arrow)
   R9-11AL (left arrow)
   R9-11AR (right arrow)



ARROW DETAIL

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1																											
2S	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
2M	24	12	1 1/8	3/8	3/8	2	10 1/4	5/8	1 1/2	8 1/4	9 1/4	7	5 5/8	1	2 3/4	1/8											2.0
3	30	15	1 1/8	3/8	1/2	2 1/2	12 3/4	1/2	2	10 1/4	12 3/8	8 5/8	6 3/4	1 1/4	3 5/8	1/4											3.125
4																											
5																											

STANDARD SIGN
R9-11A

WISCONSIN DEPT OF TRANSPORTATION

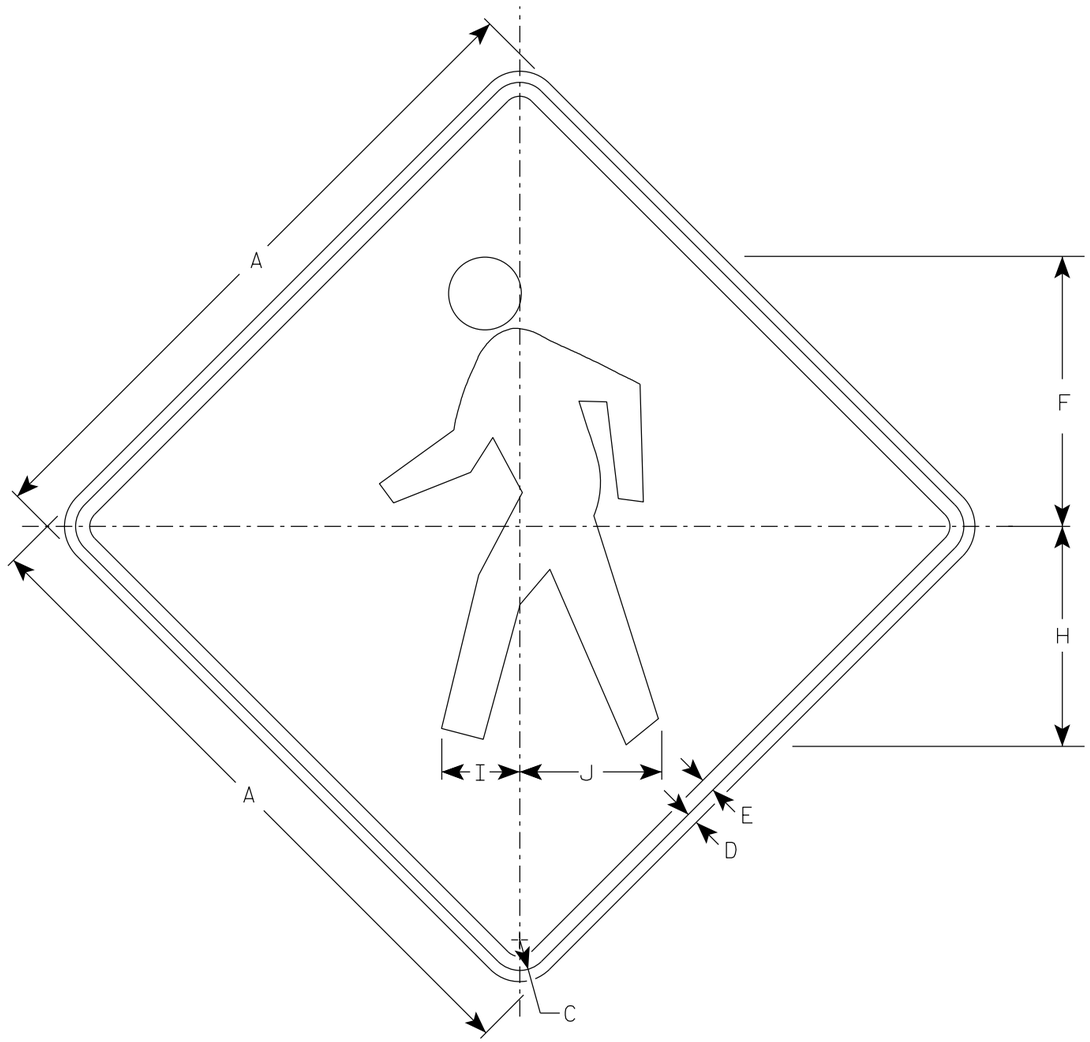
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/31/2021 PLATE NO. R9-11A.5

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 109 | E

NOTES

1. Sign is Type II - Type F Reflective
2. Color:
   Background - Yellow
   Message - Black



W11-2

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	9 3/4		7 7/8	2 7/8	5 1/8																	4.0
2S	30		1 3/8	1/2	5/8	12 1/8		9 7/8	3 1/2	6 3/8																	6.25
2M	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
3	36		1 5/8	5/8	3/4	14 1/2		11 7/8	4 1/4	7 5/8																	9.0
4	48		2 1/4	3/4	1	19 3/8		15 3/4	5 5/8	10 1/4																	16.0
5																											

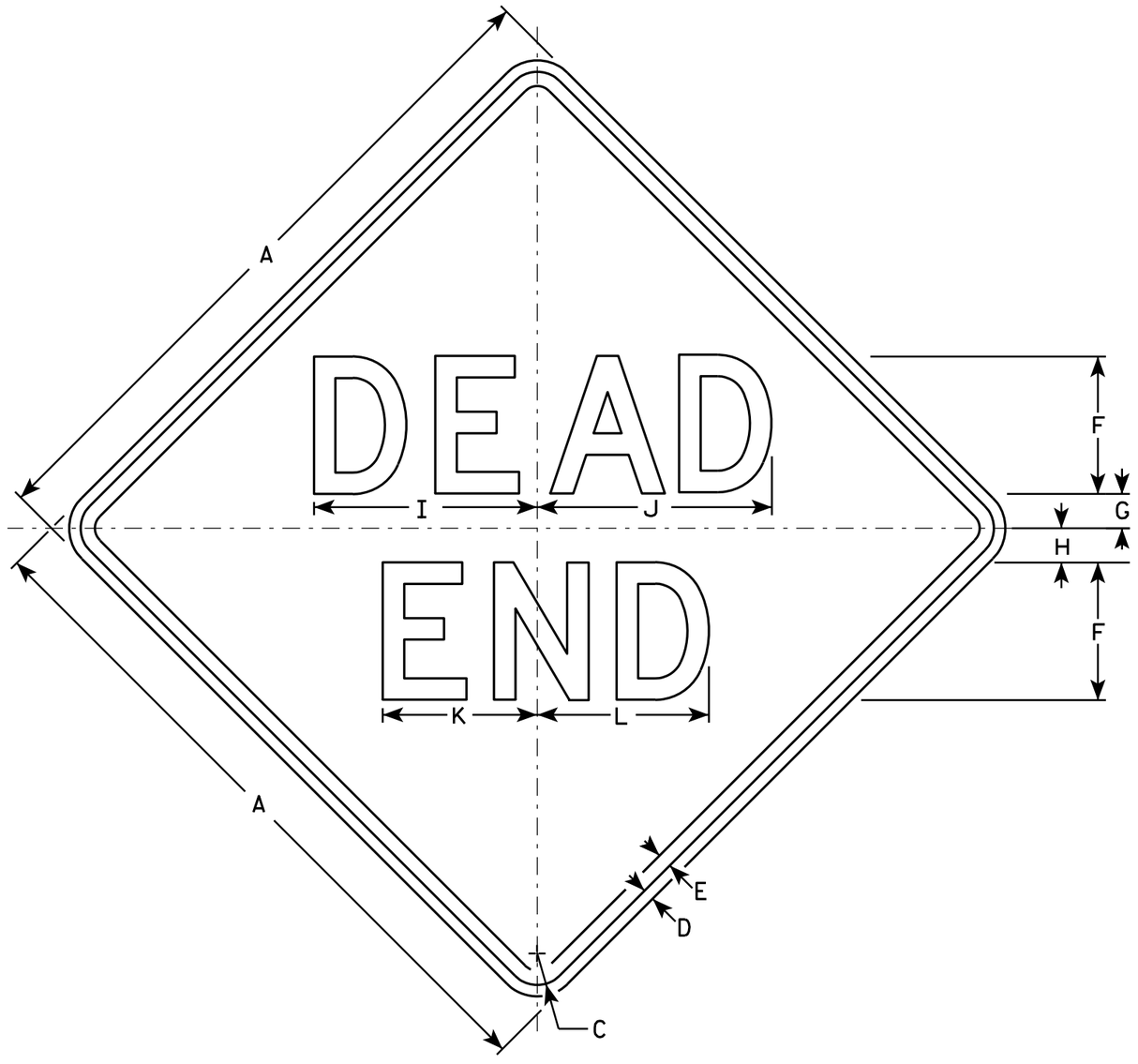
STANDARD SIGN
W11-2

WISCONSIN DEPT OF TRANSPORTATION

APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 4/8/2020 PLATE NO. W11-2.8

PROJECT NO: | HWY: | COUNTY: | SHEET NO: 110 E



W14-1

NOTES

1. Sign is Type II - Type F Reflective - reference WIS DOT Standard Specification for HIGHWAY and STRUCTURE CONSTRUCTION latest edition.
2. Color:
   Background - Yellow
   Message - Black
3. Message Series - D
4. Corners may be square or rounded when base material is plywood but borders shall be rounded as shown. When base material is metal, the corners and borders shall be rounded.

SIZE	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	Area sq. ft.
1	24		1 1/8	3/8	1/2	5	1	2	8 1/4	8 5/8	5 5/8	6 1/4															4.0
2S	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
2M	30		1 3/8	1/2	5/8	6	1 1/2	2 1/2	9 3/4	10 1/4	6 3/4	7 1/2															6.25
3	36		1 5/8	5/8	3/4	7	2	3	11 3/8	12	7 7/8	8 3/4															9.0
4																											
5																											

STANDARD SIGN
W14-1

WISCONSIN DEPT OF TRANSPORTATION

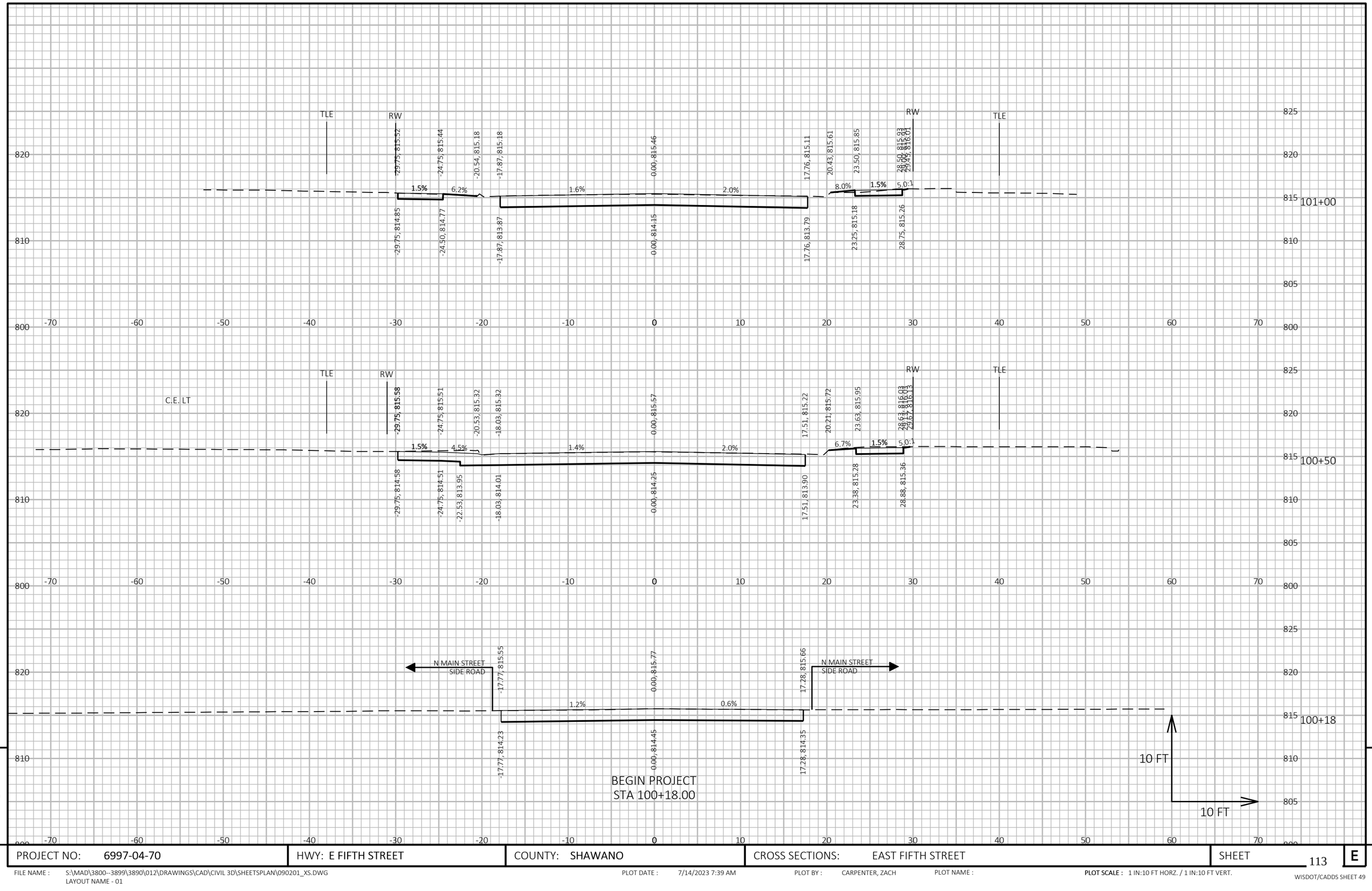
APPROVED Matthew R Rauch
for State Traffic Engineer

DATE 3/13/13 PLATE NO. W14-1.7

PROJECT NO:	HWY:	COUNTY:		SHEET NO: 111	E

E FIFTH ST		AREA (SF)			INCREMENTAL VOL (CY) (UNADJUSTED)			CUMULATIVE VOL (CY)		
STATION	DISTANCE	CUT	FILL	EBS	CUT NOTE 1	FILL NOTE 2	EBS	CUT 1.00 NOTE 1	EXPANDED FILL 1.18	MASS ORDINATE NOTE 3
100+18.000	0	45.5	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0
100+50.000	32	66.1	0.0	3.3	66.2	0.0	3.3	66.2	0.0	66
101+00.000	50	53.0	0.4	2.6	110.3	0.4	5.5	176.5	0.5	176
101+36.050	36	71.5	0.4	3.6	83.1	0.6	4.2	259.6	1.2	258
101+50.000	14	70.8	0.2	3.5	36.8	0.2	1.8	296.4	1.4	295
102+00.000	50	70.1	0.0	3.5	130.4	0.2	6.5	426.8	1.7	425
102+21.400	21	75.9	1.0	3.8	57.9	0.4	2.9	484.7	2.1	483
102+50.000	29	50.6	0.6	2.5	67.0	0.9	3.3	551.7	3.2	549
103+00.000	50	51.3	0.2	2.6	94.3	0.8	4.7	646.0	4.1	642
103+50.000	50	51.6	0.2	2.6	95.3	0.3	4.8	741.3	4.5	737
104+00.000	50	51.3	0.0	2.6	95.3	0.2	4.8	836.6	4.7	832
104+50.000	50	44.7	0.0	2.2	88.9	0.0	4.4	925.5	4.7	921
105+00.000	50	45.5	0.3	2.3	83.5	0.3	4.2	1,009.0	5.1	1,004
105+50.000	50	42.3	3.5	2.1	81.4	3.5	4.1	1,090.4	9.2	1,081
106+00.000	50	45.1	0.1	2.3	81.0	3.3	4.0	1,171.4	13.1	1,158
106+50.000	50	48.9	0.0	2.4	87.1	0.1	4.4	1,258.5	13.2	1,245
107+00.000	50	60.7	0.0	3.0	101.5	0.0	5.1	1,360.0	13.2	1,347
107+50.000	50	46.1	0.0	2.3	98.9	0.0	4.9	1,458.9	13.2	1,446
107+84.850	35	64.3	0.0	3.2	71.3	0.0	3.6	1,530.2	13.2	1,517
108+00.000	15	52.7	0.0	2.6	32.8	0.0	1.6	1,563.0	13.2	1,550
108+10.050	10	71.3	0.0	3.6	23.1	0.0	1.2	1,586.1	13.2	1,573
108+50.000	40	49.7	0.0	2.5	89.5	0.0	4.5	1,675.6	13.2	1,662
109+00.000	50	48.9	0.0	2.4	91.3	0.0	4.6	1,766.9	13.2	1,754
109+50.000	50	44.1	0.0	2.2	86.1	0.0	4.3	1,853.0	13.2	1,840
110+00.000	50	52.7	0.0	2.6	89.6	0.0	4.5	1,942.6	13.2	1,929
110+50.000	50	72.7	0.0	3.6	116.1	0.0	5.8	2,058.7	13.2	2,045
111+00.000	50	72.3	0.0	3.6	134.3	0.0	6.7	2,193.0	13.2	2,180
111+50.000	50	62.8	0.0	3.1	125.1	0.0	6.3	2,318.1	13.2	2,305
112+00.000	50	67.3	2.0	3.4	120.5	1.9	6.0	2,438.6	15.5	2,423
112+19.000	19	79.8	0.2	4.0	51.8	0.8	2.6	2,490.4	16.4	2,474
112+50.000	31	68.1	2.0	3.4	84.9	1.3	4.2	2,575.3	17.9	2,557
113+00.000	50	75.4	0.0	3.8	132.9	1.8	6.6	2,708.2	20.1	2,688
113+50.000	50	51.9	1.9	2.6	117.9	1.8	5.9	2,826.1	22.2	2,804
114+00.000	50	47.9	2.6	2.4	92.4	4.2	4.6	2,918.5	27.1	2,891
114+36.800	37	71.4	0.7	3.6	81.3	2.3	4.1	1,934.3	15.9	1,918
114+50.000	13	62.8	1.7	3.1	32.8	0.6	1.6	1,967.1	16.6	1,950
115+00.000	50	77.3	0.2	3.9	129.7	1.8	6.5	2,096.8	18.8	2,078
115+50.000	50	45.7	0.0	2.3	113.9	0.2	5.7	2,210.7	19.0	2,192
116+00.000	50	43.0	0.0	2.2	82.2	0.0	4.1	2,292.9	19.0	2,274
116+50.000	50	41.8	0.0	2.1	78.5	0.0	3.9	2,371.4	19.0	2,351
117+00.000	50	53.1	0.0	2.7	87.9	0.0	4.4	2,459.3	19.0	2,437
117+50.000	50	51.8	0.3	2.6	97.1	0.3	4.9	2,556.4	19.4	2,529
117+78.510	29	68.2	0.4	3.4	63.4	0.4	3.2	2,619.8	19.8	2,588
118+00.000	21	71.1	0.0	3.6	55.4	0.2	2.8	2,675.2	20.1	2,640
118+50.000	50	50.9	0.2	2.5	113.0	0.2	5.6	3,031.5	27.4	3,002
118+64.330	14	66.9	0.0	3.3	31.3	0.1	1.6	3,062.8	27.5	3,033
119+00.000	36	55.1	0.0	2.8	80.6	0.0	4.0	3,143.4	27.5	3,114
119+15.140	15	54.2	0.0	2.7	30.7	0.0	1.5	3,174.1	27.5	3,144
SIDE ROADS	---	---	---	---	433.0	---	22.0	3,607.1	27.5	3,577
			COLUMN TOTALS		**4,429.3**	**29.1**	**221.8**			

NOTES:
1) CUT: CUT INCLUDES UNUSABLE PAVEMENT MATERIAL
2) FILL: FILL DOES NOT INCLUDE UNUSABLE PAVEMENT MATERIAL
3) MASS ORDINATE = (CUT - UNUSABLE PAVEMENT MATERIAL) - (FILL * FILL FACTOR)



9

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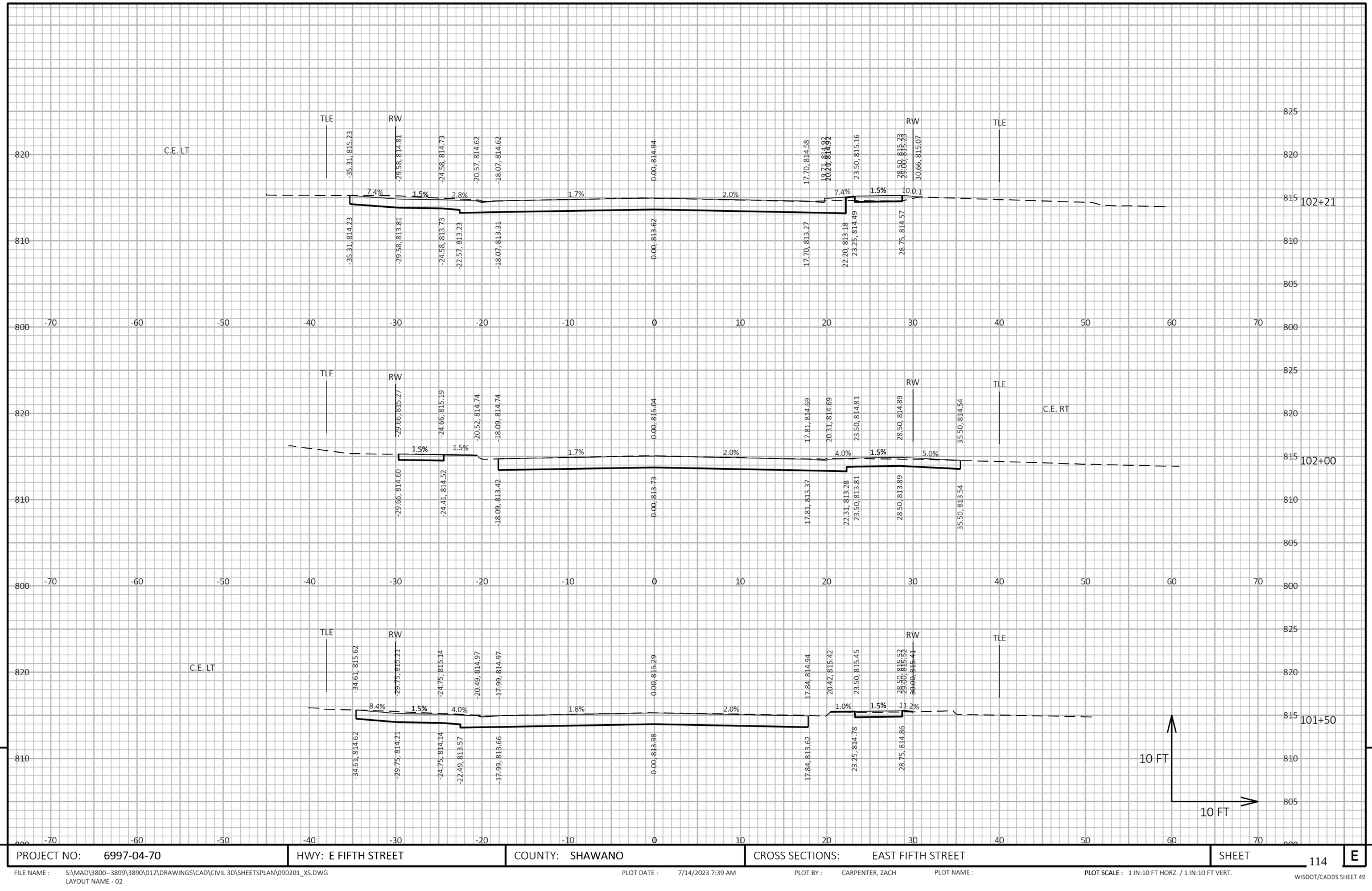
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 113	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 01

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

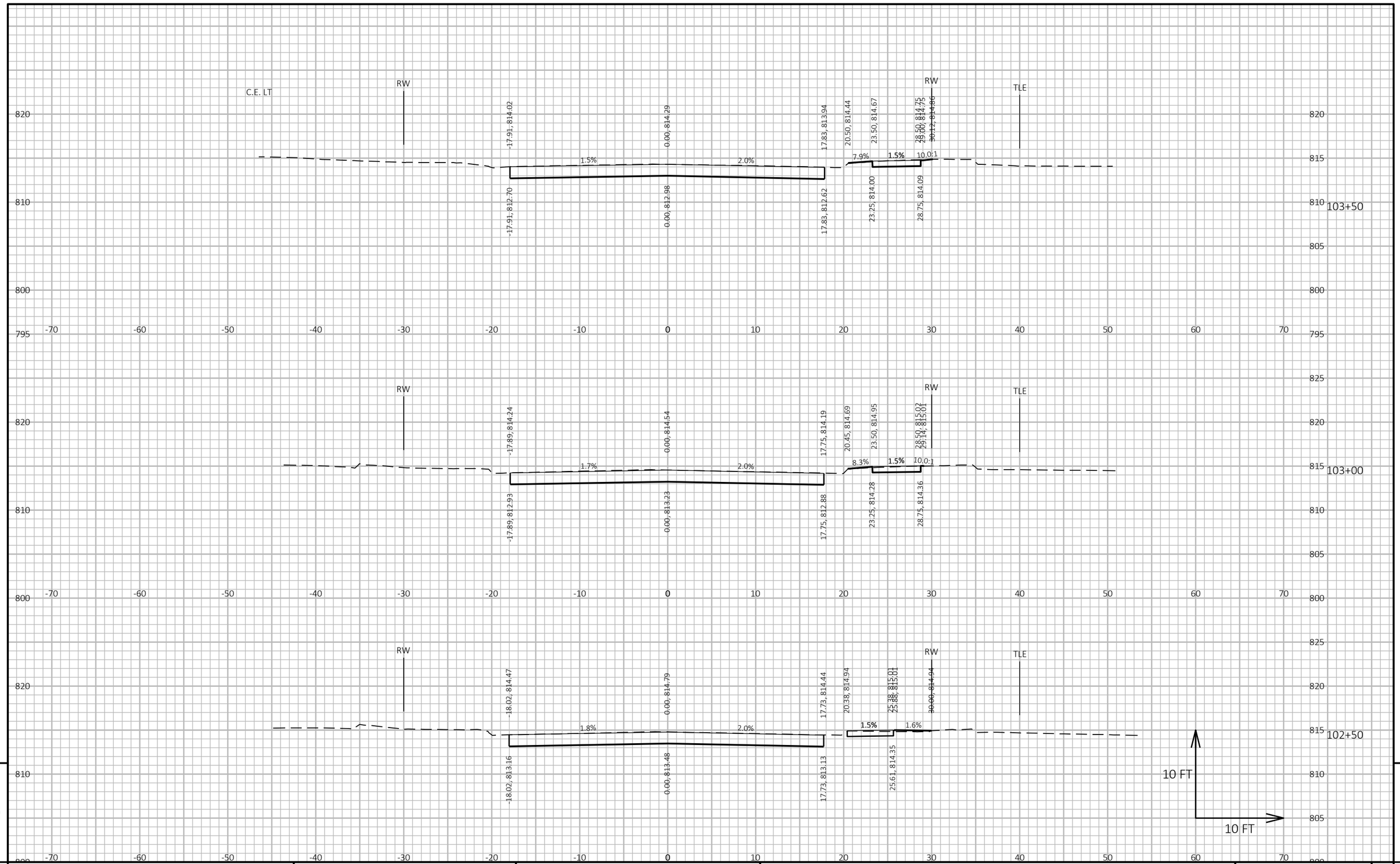


PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 114	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 02

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

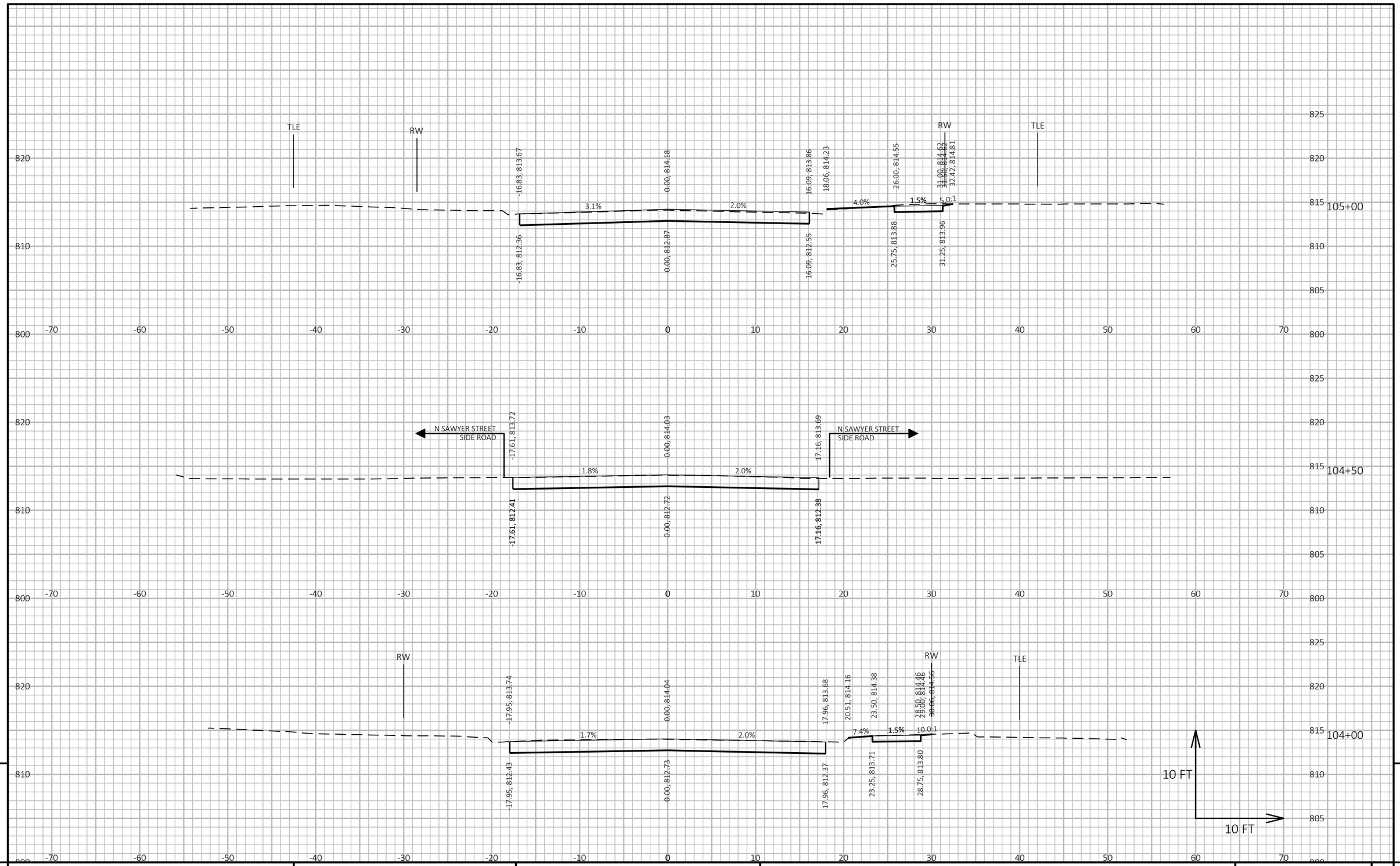


PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 115 E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 03

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 116	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 04

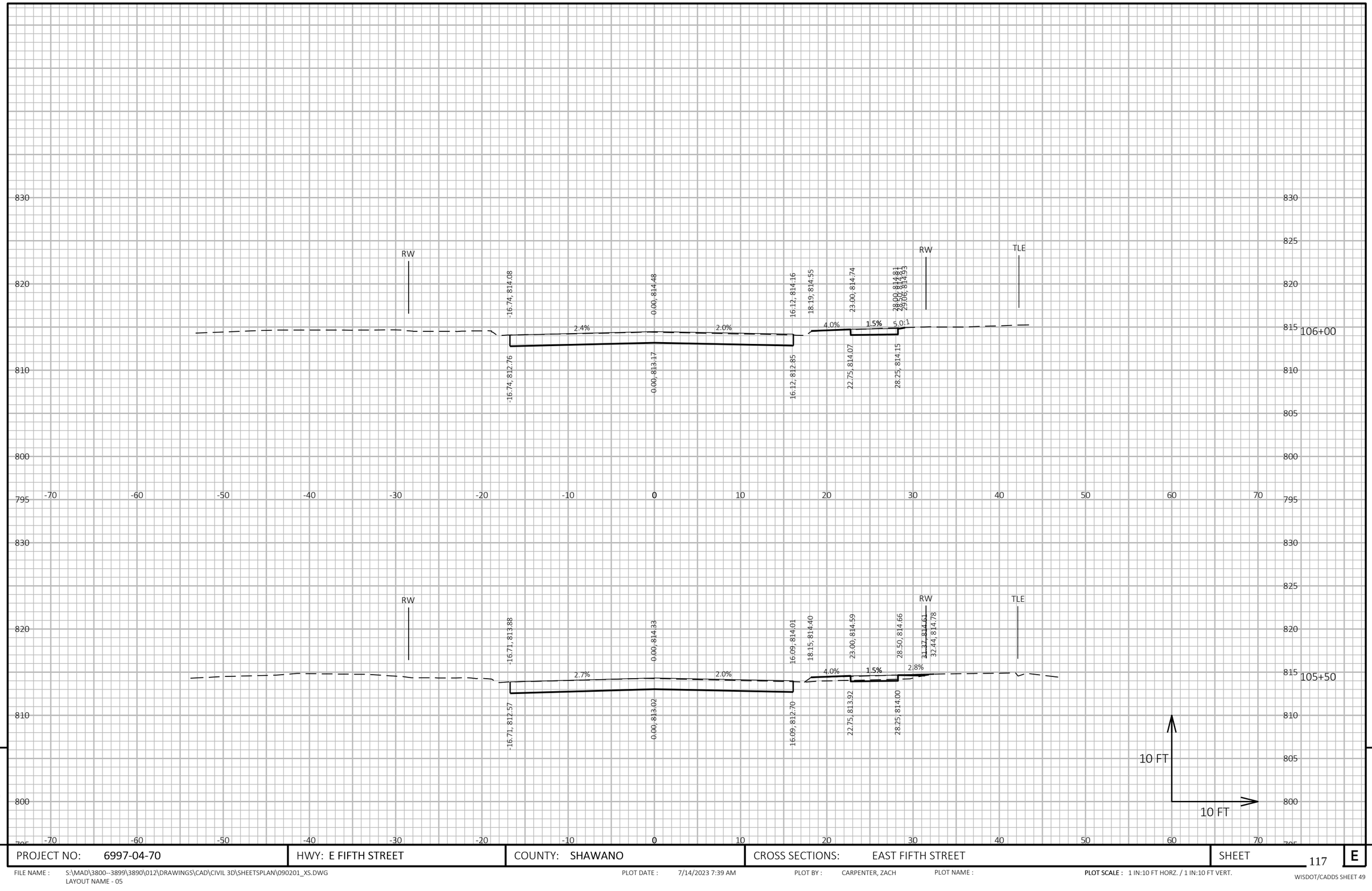
PLOT DATE : 7/14/2023 7:39 AM

PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



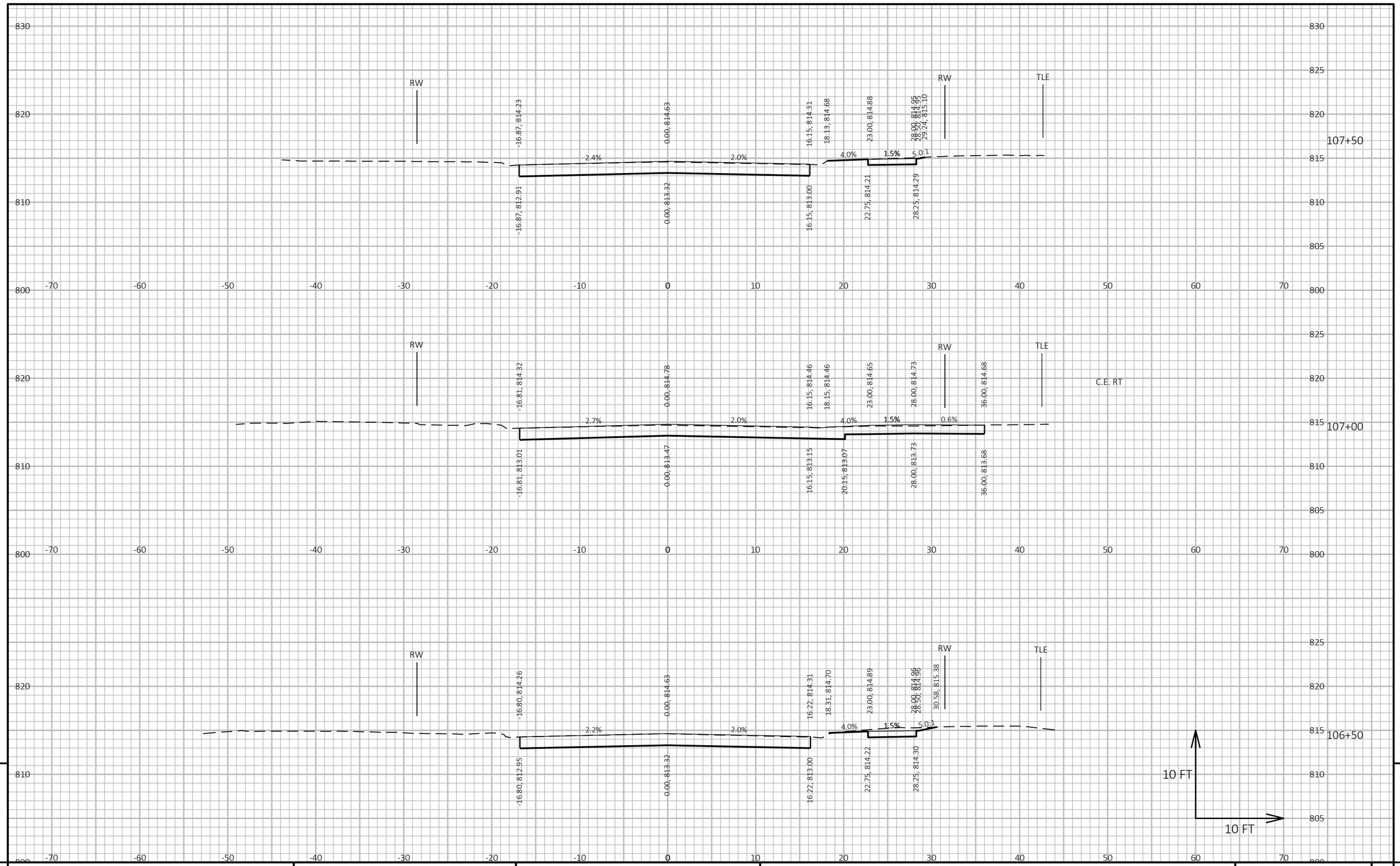
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 117 E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 05

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 118 E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 06

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

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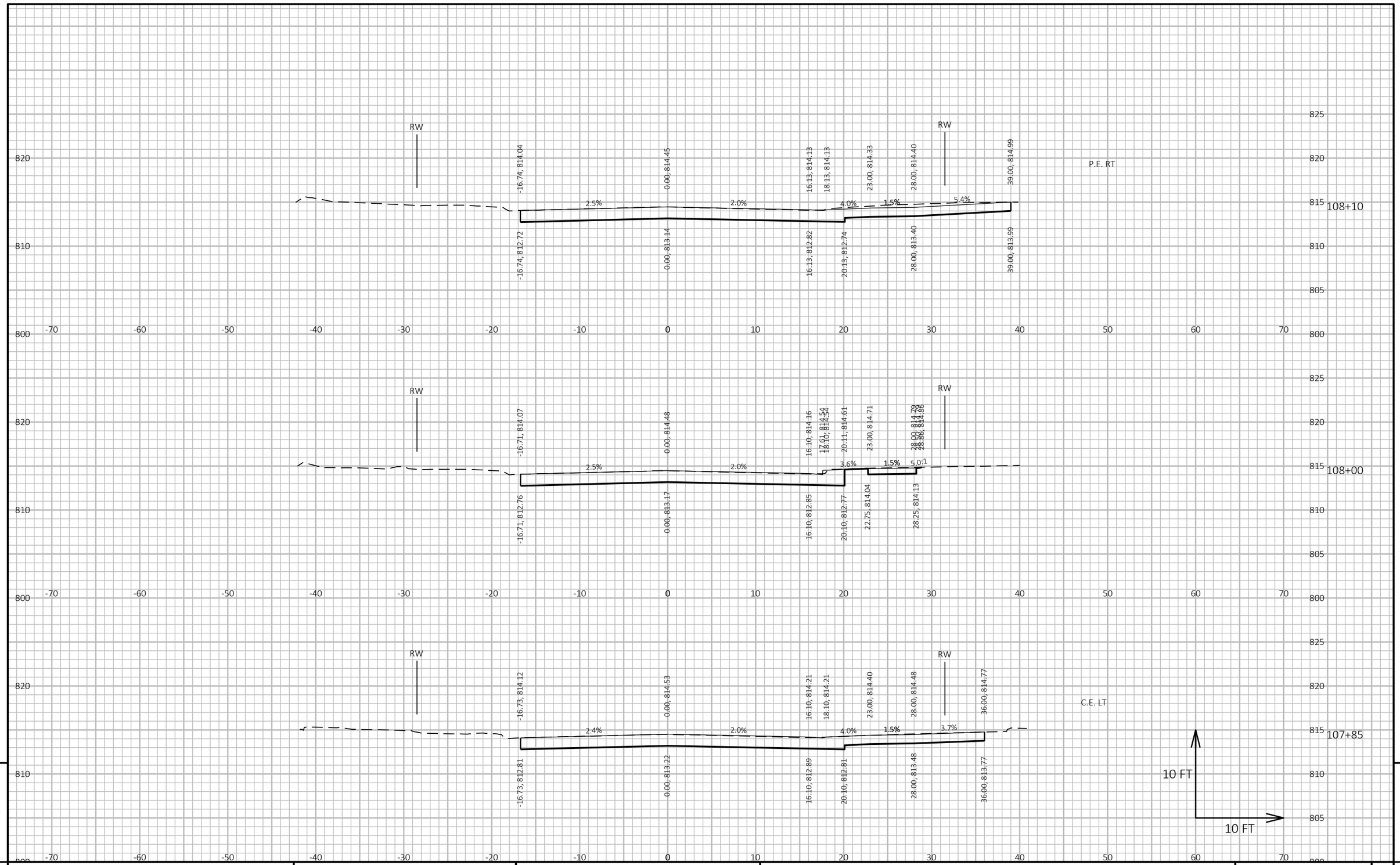

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PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 119	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 07

PLOT DATE : 7/14/2023 7:39 AM

PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

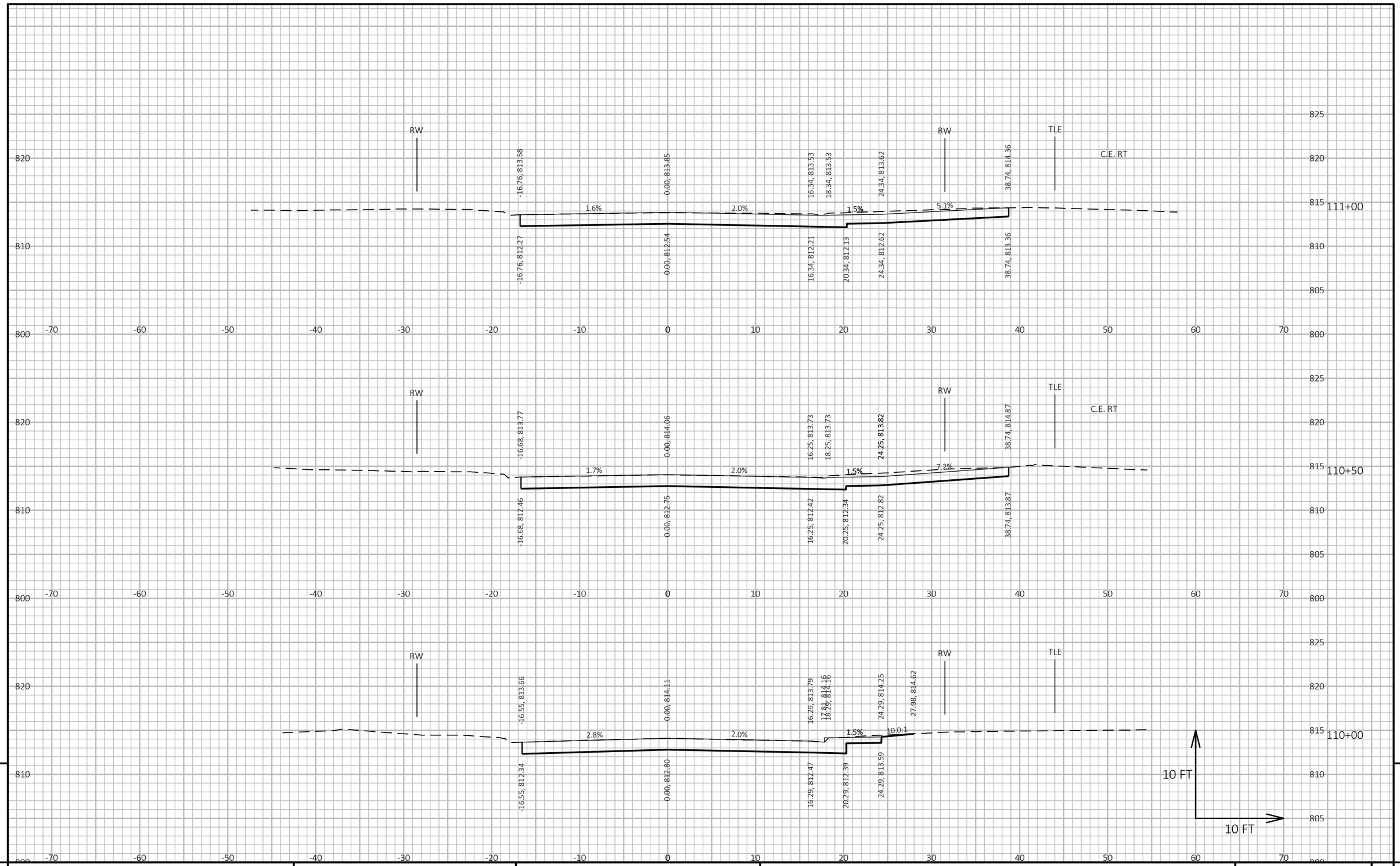
WISDOT/CADDS SHEET 49

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 120 E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 08

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 121	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 09

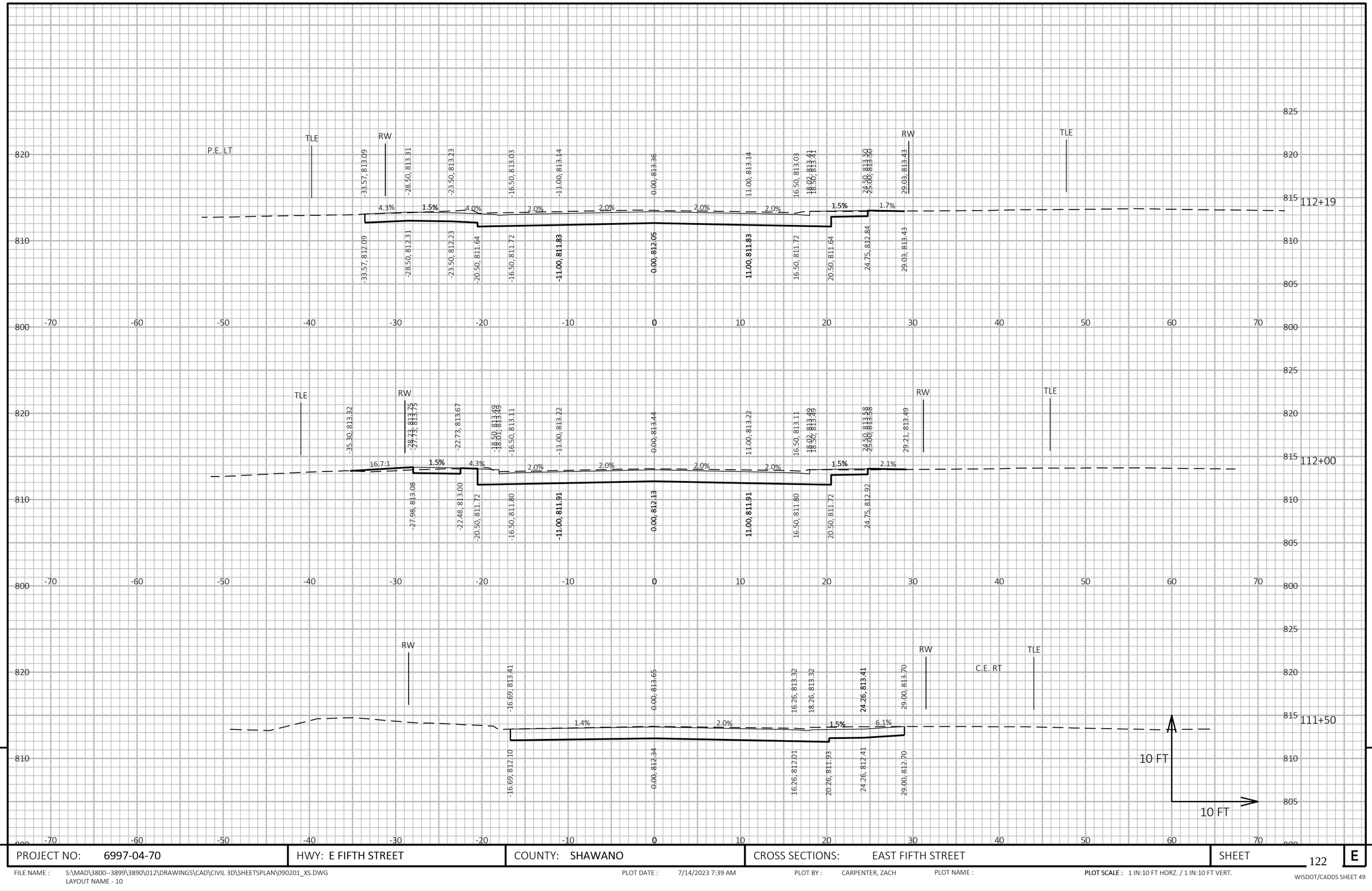
PLOT DATE : 7/14/2023 7:39 AM

PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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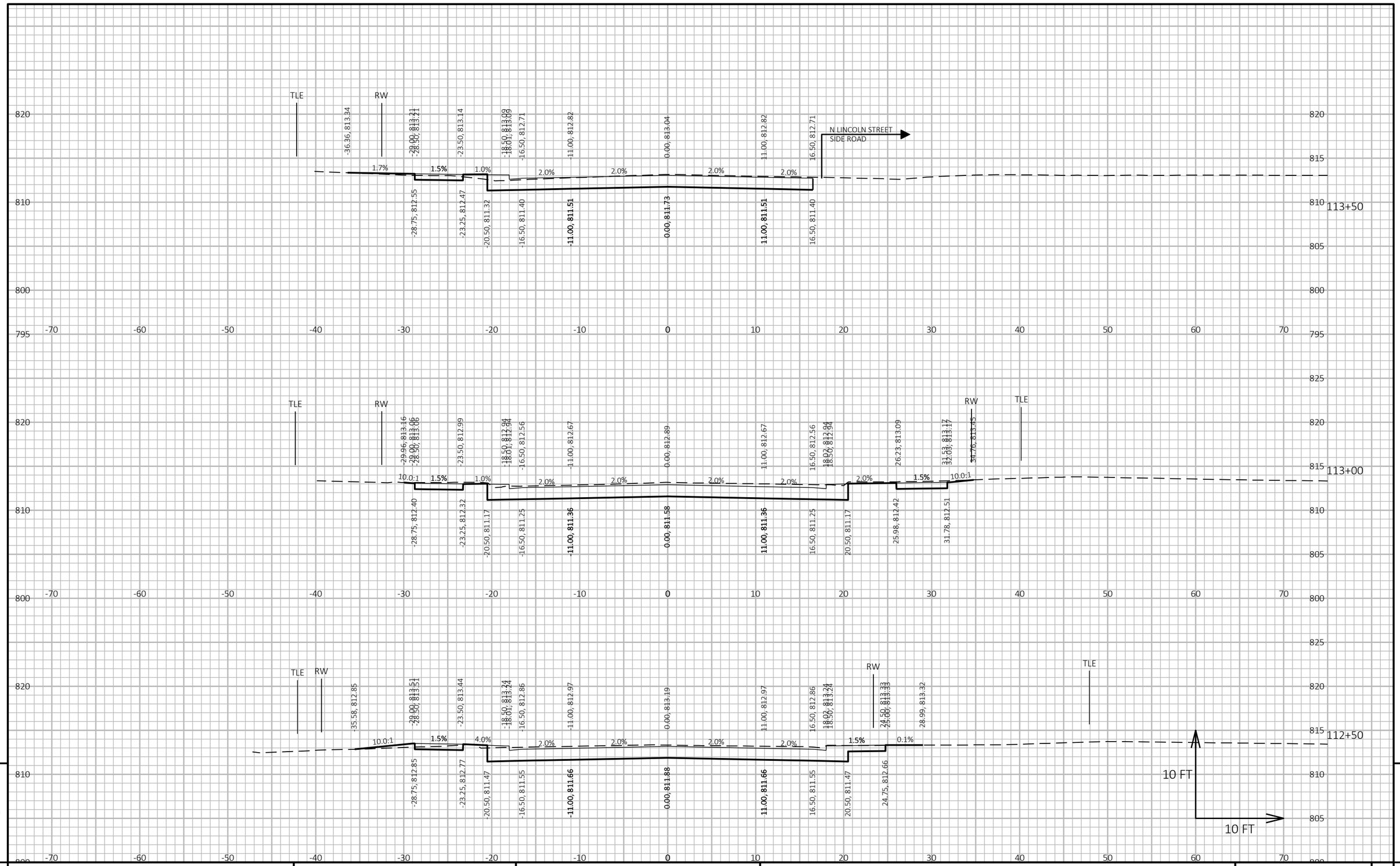
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 122	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 10

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 123	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 11

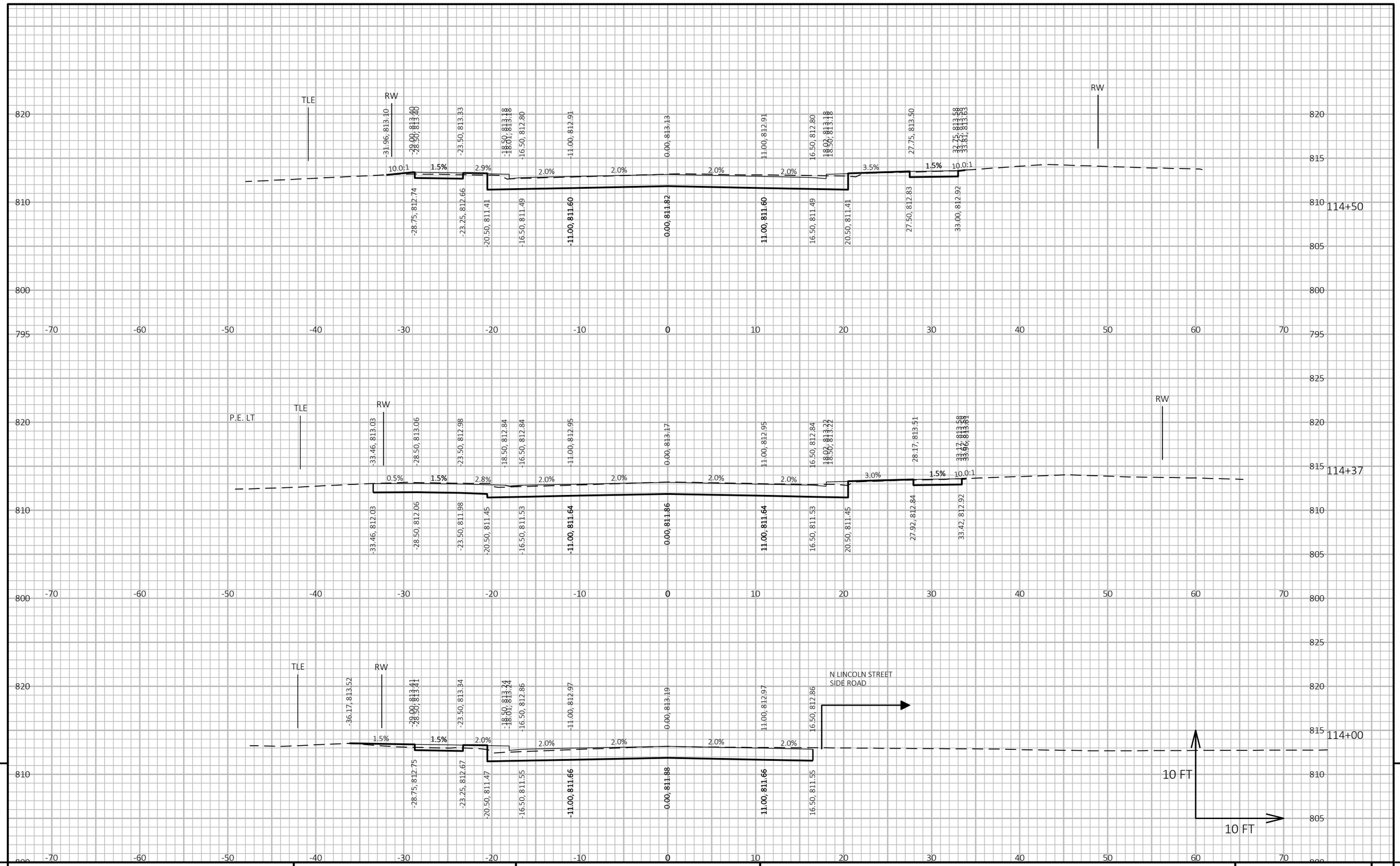
PLOT DATE : 7/14/2023 7:39 AM

PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 124	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 12

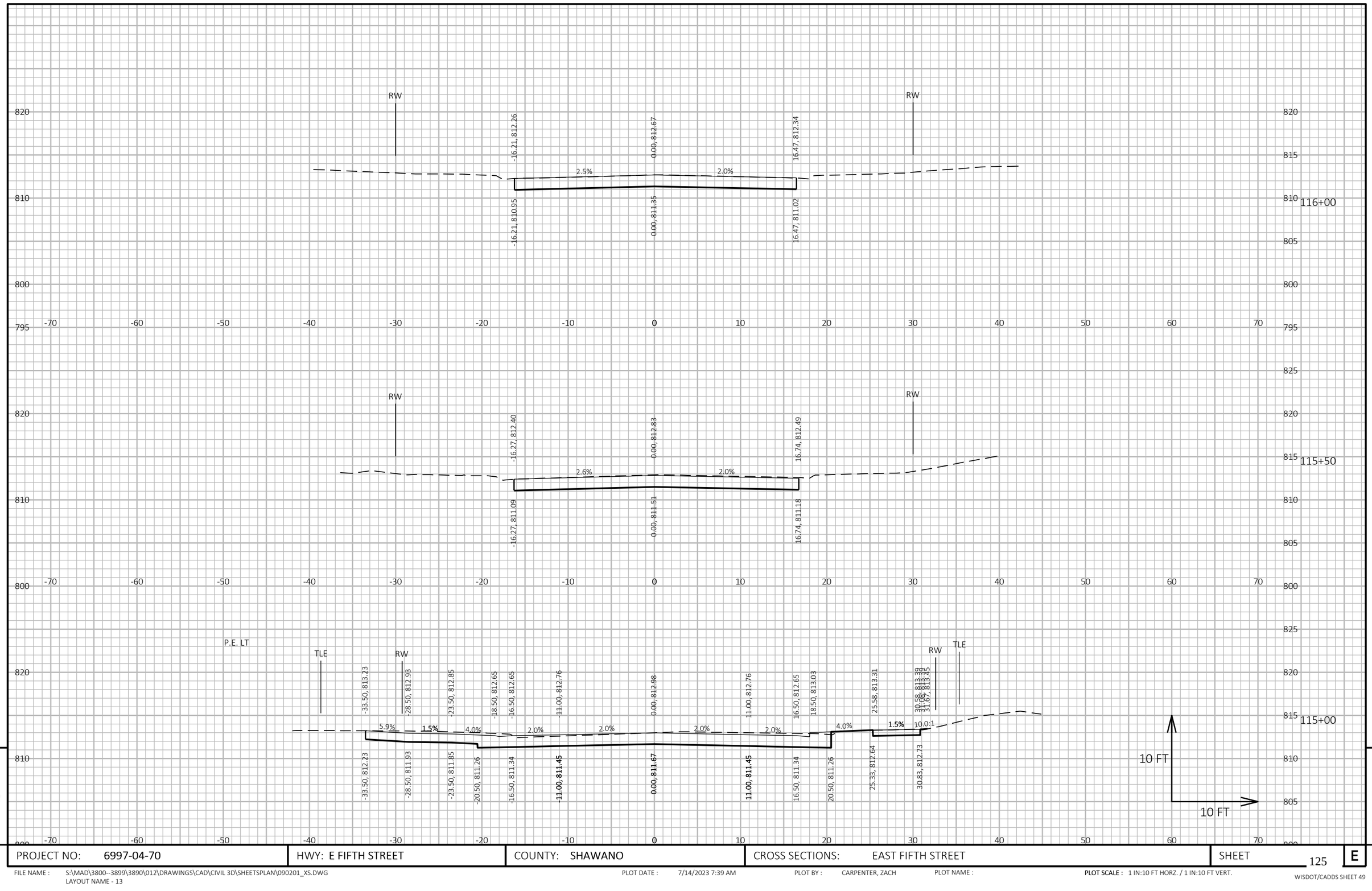
PLOT DATE : 7/14/2023 7:39 AM

PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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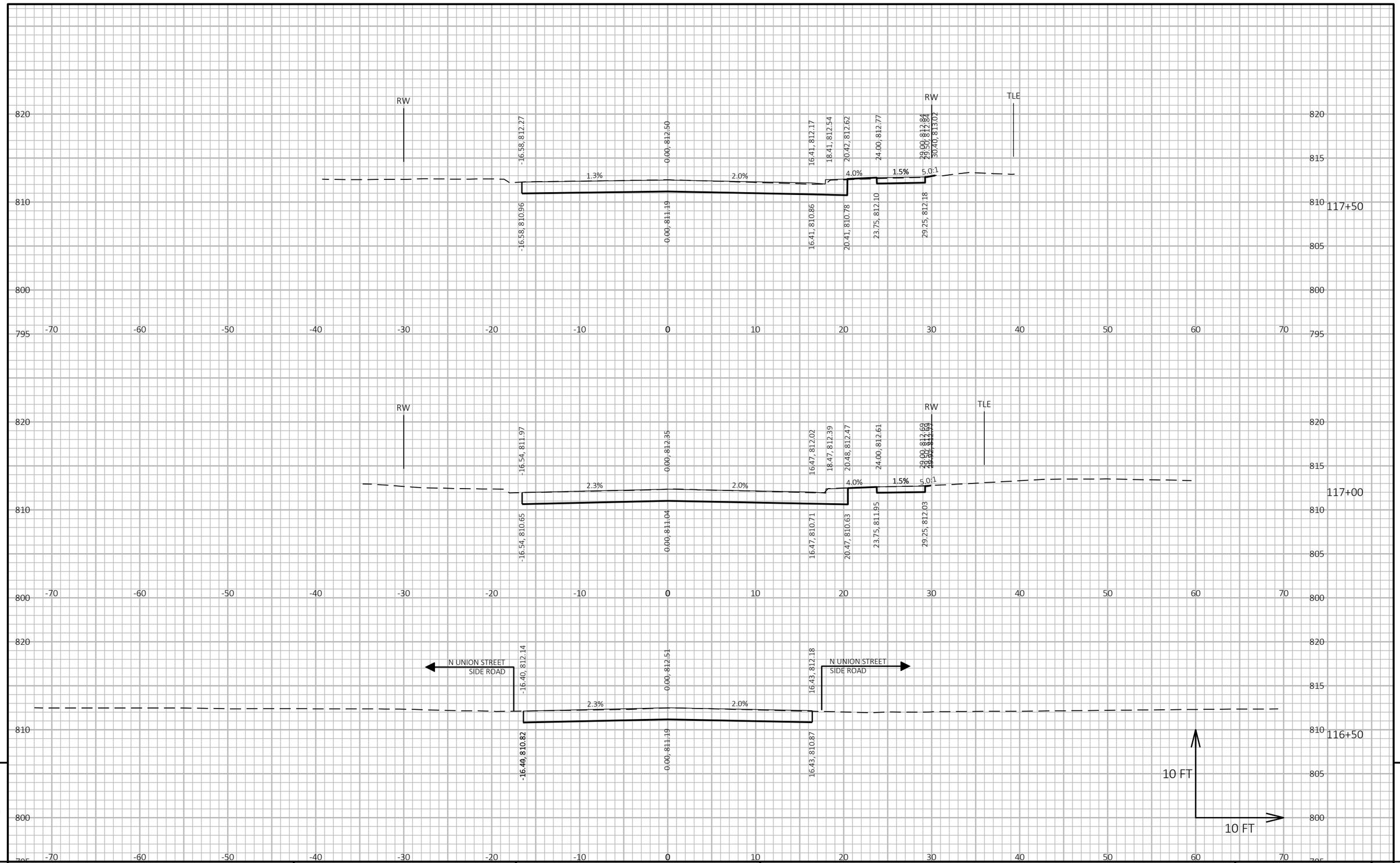
9

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 125	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 13

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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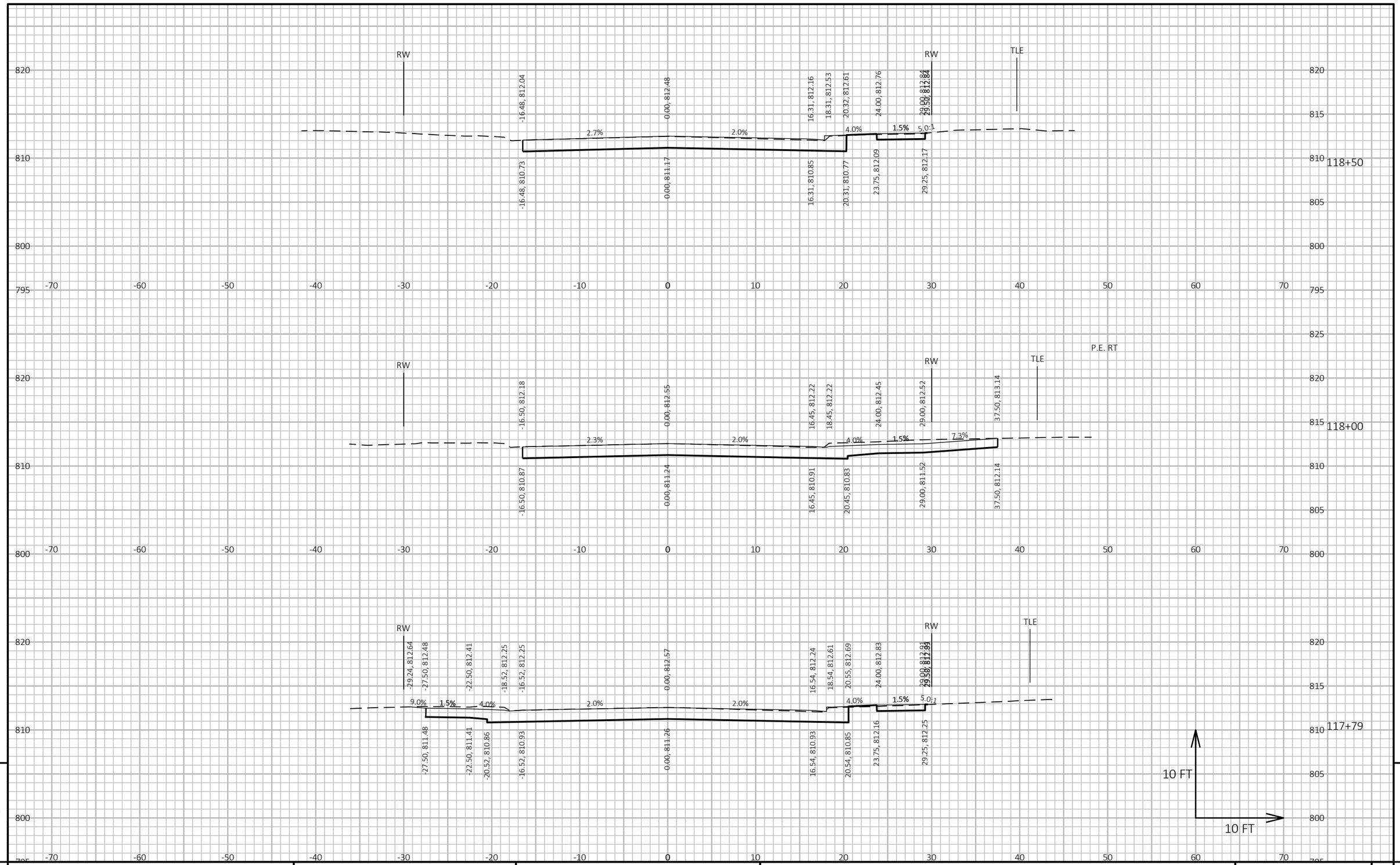
PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 126	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 14

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME : **PLOT SCALE :** 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49



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9

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 127	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 15

PLOT DATE : 7/14/2023 7:39 AM

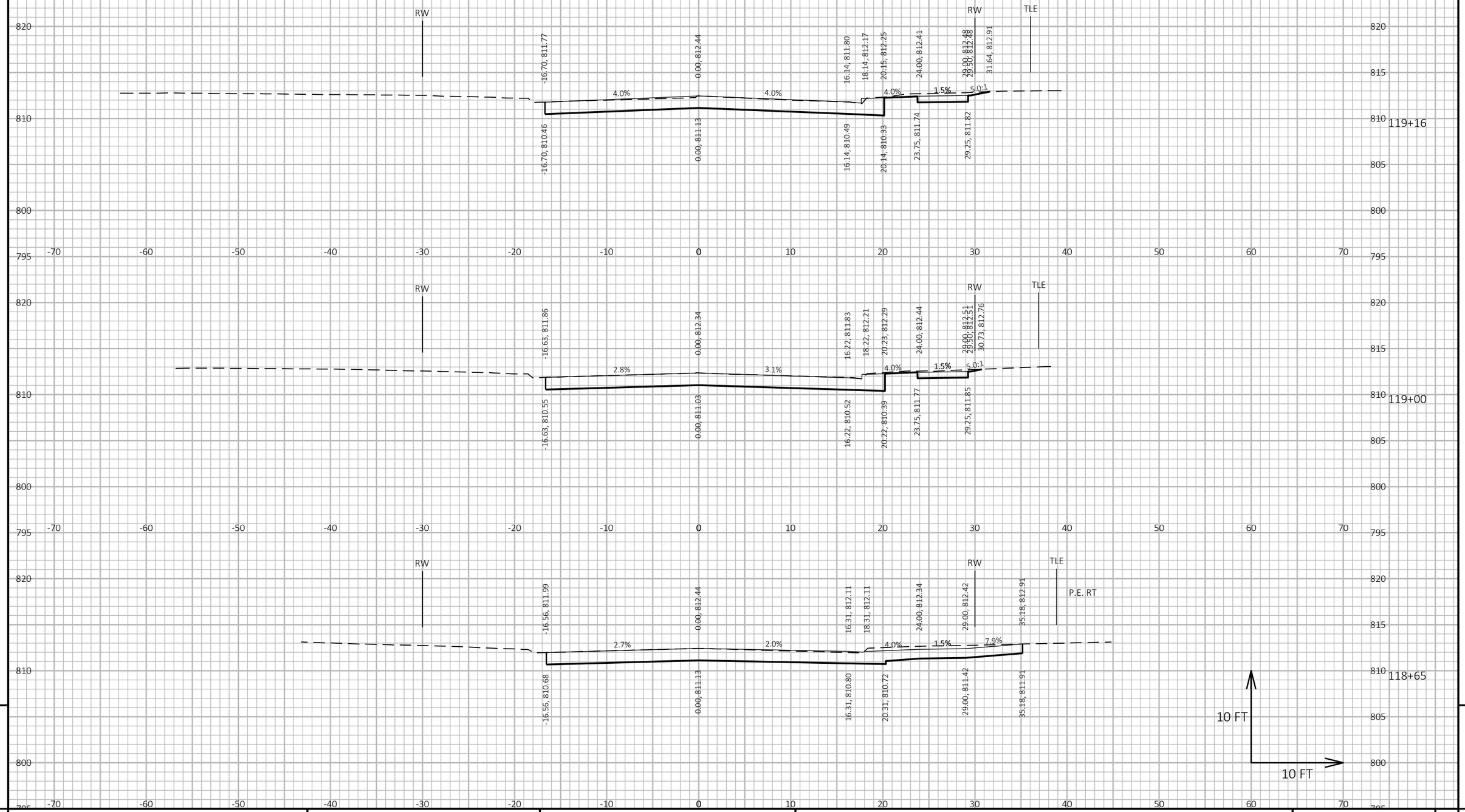
PLOT BY : CARPENTER, ZACH

PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

END PROJECT
STA. 119+15.53



9

9

PROJECT NO: 6997-04-70	HWY: E FIFTH STREET	COUNTY: SHAWANO	CROSS SECTIONS: EAST FIFTH STREET	SHEET 128	E

FILE NAME : S:\MAD\3800--3899\3890\012\DRAWINGS\CAD\CIVIL 3D\SHEETSPLAN\090201_XS.DWG
LAYOUT NAME - 16

PLOT DATE : 7/14/2023 7:39 AM PLOT BY : CARPENTER, ZACH PLOT NAME :

PLOT SCALE : 1 IN:10 FT HORZ. / 1 IN:10 FT VERT.

WISDOT/CADDS SHEET 49

Notes

Wisconsin Department of Transportation

Dedicated people creating transportation solutions
through innovation and exceptional service.

http://www.dot.wisconsin.gov